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UNITED STATES AIR FORCE

OGGPAF SURVEY REPORT



DENTAL LABORATORY CAREER LADDER
AFS 982X0
AFPT 90-982-466
SEPTEMBER 1982

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HQ SAC/LGMQ (ATCLO)	1	1		1
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HQ USAF/SGD	1	1		1
HQ USAF/MPPT	1	1		1
HQ USAFE/DPAT	3	3		3
HQ USAFE/DPATC	1	1		1
HQ USMC/OMU	1	1		
LMDC/AN	1			
NODAC	1	1		
SHCS/MSO (SHEPPARD AFB TX - MEDICAL)	6	2	2	9
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PREFACE

This report presents the results of an Air Force Occupational Survey of the Dental Laboratory Specialist/Technician career ladder (AFSC 982X0). The survey was requested by the USAF School of Health Care Sciences, Sheppard AFB TX. Authority for conducting occupational surveys is contained in AFR 35-2. Computer products upon which this report is based are available for use by operations and training officials.

The survey instrument for this project was developed by CMSgt Donald J. Cochran, Inventory Development Specialist. Mr. Bill Feltner provided computer support for this project. Dr. Linda Aslett analyzed the survey data and wrote the report. This report was reviewed and approved by Lieutenant Colonel Jimmy L. Mitchell, Chief, Airman Career Ladders Analysis Section, Occupational Measurement Center, Randolph AFB, Texas 78150.

Copies of this report are distributed to Air Staff sections, major commands, and other interested training and management personnel. Additional copies are available upon request to the USAF Occupational Measurement Center, attention to the Chief, Occupational Analysis Branch (OMY), Randolph AFB, Texas 78150 (AUTOVON 487-5811).

PAUL T. RINGENBACH, Col, USAF Commander USAF Occupational Measurement Center WALTER E. DRISKILL, Ph.D. Chief, Occupational Analysis Branch USAF Occupational Measurement Center

SUMMARY OF RESULTS

- 1. Survey Coverage: Inventory booklets were completed by 498 job incumbents holding DAFSC 982X0 (representing 72 percent of total assigned strength). This sample was representative in terms of both MAJCOM and grade distribution and provided a comprehensive view of career ladder jobs.
- 2. Specialty Structure: Most 982X0 career ladder incumbents work as Base Dental Laboratory Technicians or as Crown and Bridge Fabricators (at both area and dental laboratories). Nine-skill and CEM personnel grouped into an independent job type; training personnel grouped with technicians according to common tasks performed. Many area dental laboratory personnel formed into four independent job types, (two related to RPD fabrication, one related to ceramic prostheses fabrication, and one related to orthodontic duties).
- 3. DAFSC and Skill-Level Task Differences: The majority of 3- and 5-skill level personnel performed technical tasks appropriate to their assignment to either base or area laboratory. Seven-skill level personnel performed technical tasks of increased difficulty and were involved increasingly in administrative and supervisory roles. The 9-skill and CEM personnel devoted their time almost exclusively to management and supervisory duties.
- 4. <u>Career Ladder Documents</u>: The AFR 39-1 Specialty Descriptions provide good <u>descriptions</u> of the jobs performed by 982X0 personnel. Current training documents generally were supported by survey data; however, some areas and tasks performed by few first-enlistment personnel were suggested for review.
- 5. <u>Implications</u>: Jobs performed by area dental laboratory personnel were different due to specialization. Area laboratory personnel fabricated Removable Partial Dentures (RPDs) and orthodontic appliances; base dental laboratory personnel did little or none of this work. Some overlap of jobs occurred in crown, bridge, and inlay fabrication. Channelizing training could be useful if first-enlistment personnel targeted for area dental laboratories could be identified early. Survey data did, however, reveal that approximately 64 percent of first-enlistment personnel go to a base dental laboratory for their first assignment.



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OCCUPATIONAL SURVEY REPORT DENTAL LABORATORY CAREER LADDER (AFSC 982X0)

INTRODUCTION

This is a report of an occupational survey of personnel in the Dental Laboratory Specialist/Technician career ladder completed by the Occupational Analysis Branch, USAF Occupational Measurement Center, in July 1982. The last occupational survey of this career ladder was conducted in June 1978. The present survey was requested by the School of Health Care Sciences, Training Operations Division, Sheppard AFB TX. A major purpose of this survey was to determine whether job differences between 982XO personnel assigned to base dental laboratories and those assigned to area laboratories were sufficiently large to justify channelized technical training.

Background

The 982X0 career ladder dates from 1954 and has remained relatively stable. Temporarily, from 1957 to 1961, the 5- and 7-skill levels had two shreds--A for technicians working with precious metal alloys and B for those working with chrome cobalt alloys. The present structure contains no shredouts at any skill level. In 1978, the CEM code 98200, Dental Laboratory Manager, was added to the skill levels for this career ladder.

Personnel usually enter the Dental Laboratory career ladder by first attending the J3ABR98230 Dental Laboratory Specialist Course at the School of Health Care Sciences, Sheppard AFB, Texas. These personnel may be either "peline" students from basic training or personnel cross-training from other specialties. Upon completion of the 24 week course, graduates are awarded the 3-skill level. These personnel are then assigned either to one of the six area dental laboratories (Barksdale, Lackland, Lowry, and March AFBs, or Kadena and Wiesbaden ABs), or to one of the USAF base dental laboratories located worldwide.

The duties of the 3- and 5-skill level Dental Laboratory Specialist are described in AFR 39-1 as fabrication and repair of dental prostheses and appliances, performance of general laboratory administration tasks, and supervision of dental laboratory personnel. Most fabrication and repair of dentures, crowns, inlays, etc., are done under supervision of more experienced technicians. General administrative tasks include maintenance of dental laboratory records, preparation of required laboratory reports, and requisition, storage, and issuance of supplies.

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As an aid to better understanding the functions and responsibilities of dental laboratory personnel, some information follows on the organizational structure of USAF dental laboratories. Airmen in this career ladder may be assigned to either of two types of dental laboratories: a base dental laboratory (BDL) or an area dental laboratory (ADL). BDLs are responsible for supporting their associated dental facilities with the fabrication and repair of complete dentures, fixed partial dentures, crowns, and inlays. They may also repair removable partial dentures. ADLs support base dental labs within their geographic area of responsibility through the fabrication of removable partial denture frames. The six ADLs represent approximately one-third of the career ladder's personnel strength. They support the base labs in fabrication of complete dentures, fixed partial dentures, and other fixed bridge work when demands on local resources exceed the ability to produce them. Basically, ADLs function as a centralized facility for the fabrication of removable partial denture frames and as a clearing house for other prosthetic fabrication or repair backlogged at associated base dental labs.

SURVEY METHODOLOGY

Inventory Development

The data collection instrument for this occupational survey was USAF Job Inventory AFPT 90-982-466 dated October 1981. A preliminary task list was prepared after reviewing pertinent career ladder publications and directives, tasks from previous survey inventories, and data from the last occupational survey report (OSR). This preliminary task list was refined and validated through personal interviews with subject-matter specialists from the School of Health Care Sciences and experienced senior personnel from one base dental lab and two area dental labs. The resulting job inventory contained a listing of 325 tasks grouped under seven duty headings and a background section containing such information as grade, lab assignment, duty title, time in service, job satisfaction and preference in lab assignment, and additional training.

Survey Administration

During the period October 1981 through January 1982, Consolidated Base Personnel Offices (CBPOs) in operational units worldwide administered the inventory to job incumbents holding DAFSC 982X0. These personnel were selected from a computer-generated mailing list obtained from personnel data tapes maintained by the Air Force Human Resources Laboratory (AFHRL).

Each individual who completed the inventory first completed an identification and biographical information section and then checked each task performed in their current job. After checking all tasks performed, each member rated each selected task on a nine-point scale showing relative time spent on that task as compared to all other tasks checked. The ratings ranged from one (very small amount of time spent) through five (about average time spent) to nine (very large amount of time spent).

To determine relative time spent for each task checked by a respondent, all of an incumbent's ratings are assumed to account for 100 percent of his or her time spent on the job and are summed. Each task rating is divided by the sum of the total task ratings and multiplied by 100. This procedure provides a basis for comparing tasks in terms of both percent members performing and average relative percent time spent.

Survey Sample

Personnel were selected to participate in this survey to ensure an accurate representation across major commands (MAJCOM) and paygrade groups. Table 1 reflects the percentage distribution by major command, of assigned personnel in the career ladder as of October 1981. Also shown is the MAJCOM percent distribution of survey respondents.

Table 2 reflects the paygrade group distributions, while Table 3 lists the sample distribution by TAFMS groups. About 54 percent of sampled 982X0 personnel are in the grades E-1 through E-4 (see Table 2) and 42 percent are in their first enlistment (see Table 3). The survey sample provided a good representation of the career ladder population.

TABLE 1
COMMAND REPRESENTATION OF SURVEY SAMPLE 982X0

COMMAND	PERCENT OF ASSIGNED	PERCENT OF SAMPLE
SAC	30	31
ATC	22	21
USAFE	10	11
TAC	9	9
PACAF	8	8
MAC	8	8
AFSC	7	6
AFLC	3	3
AAC	2	2
OTHER	_1	1
TOTAL	100	100

TOTAL ASSIGNED* - 691
TOTAL ELIGIBLE FOR SURVEY** - 575
TOTAL SAMPLED - 498
PERCENT SAMPLED - 722

*ASSIGNED STRENGTH AS OF OCTOBER 1981
***EXCLUDES THOSE IN PCS STATUS, STUDENTS, HOSPITALIZED PERSONNEL, AND
PERSONNEL WITH LESS THAN SIX WEEKS ON THE JOB

4

TABLE 2
PAYGRADE REPRESENTATION OF SURVEY SAMPLE 982X0

	PERCENT OF ASSIGNED	PERCENT OF SAMPLE
AIRMAN	27	27
E-4	31	27
E-5	26	30
E-6	9	11
E-7	5	4
E-8, 9	2	1

NOTE: MANNING FIGURES AS OF OCTOBER 1981

TABLE 3
TAFMS DISTRIBUTION OF SURVEY SAMPLE

		MON	THS IN T	HE SERVIC	E	
	1-48	49-96	97-144	145-192	193-240	<u>241+</u>
NUMBER IN AFS 982X0 SAMPLE PERCENT OF AFS 982X0 SAMPLE	206 42%	140 28%	68 14%	37 7 %	30 6%	17 3%

Task Factor Administration

In addition to completing the job inventory, selected senior 982X0 personnel (generally E-6 and E-7 technicians) were also asked to complete a second booklet for either training emphasis (TE) or task difficulty (TD). The TE and TD booklets are processed separately from the job inventories. The rating information is used in several analyses discussed in detail within this report.

Task Difficulty. Each senior technician completing a task difficulty booklet was asked to rate all inventory tasks on a nine-point scale (from extremely low to extremely high) as to relative difficulty. Difficulty is defined as the length of time required by an average member to learn to do the task. Task difficulty data were independently collected from 27 experienced 7- or 9-skill level 982X0 personnel stationed worldwide, with all raters assessing the difficulty of inventory tasks. The interrater reliability (as assessed through components of variance of standard group means) was very high--.95. Task difficulty ratings were adjusted so tasks of average difficulty would he a 5.00 rating. The resulting data is essentially a rank ordering of the ks indicating the relative degree of difficulty for each task in the invention.

Job Difficulty Index (JDI). After computing the 982X0 task difficulty for each task item, it was then possible to compute a Job Difficulty (JDI) for the job groups identified in the survey analysis. This provides a relative measure of which jobs, when compared to other jobs identified, are more or less difficult. An equation using the number of tasks performed and the average difficulty per unit time spent (ADPUTS) as variables are the basis for the JDI. The index ranges from 1.0 for very easy jobs to 25.0 for very difficult jobs. The indices are adjusted so the average JDI is 13.00.

Training Emphasis. Experienced technicians completing training emphasis booklets were asked to rate tasks on a ten-point scale ranging from no training required (0) to extremely heavy training required (9). Training emphasis is a rating of which tasks require more emphasis in structured training for first-term personnel. Structured training is defined as training provided at resident technical schools, field training detachments (FTD), mobile training teams (MTT), formal OJT, or any other organized training method. Training emphasis data were independently collected from 43 experienced 982X0 7- and 9-skill level personnel stationed worldwide. The interrater reliability (as assessed through components of variance of standard group means) for these raters was .97, indicating there was good agreement among raters as to which tasks required some form of structured training and which did not.

When used in conjunction with other information, such as percent members performing, task difficulty and training emphasis ratings can provide insight into training requirements. Such insights may help validate lengthening or shortening portions of instruction supporting AFSC needed knowledges or skills.

TABLE 4
TASK FACTOR RATER MAJCOM DISTRIBUTION

COMMAND	PERCENT ASSIGNED	PERCENT OF TASK DIF RATERS	PERCENT OF TRAINING EMP RATERS
SAC	30	26	30
ATC	22	15	19
USAFE	10	15	7
TAC	9	3	19
PACAF	8	15	9
MAC	8	7	9
AFSC	7	11	4
AFLC	3	3	-
AAC	2	•	2
OTHER	1	4	-

CAREER LADDER STRUCTURE

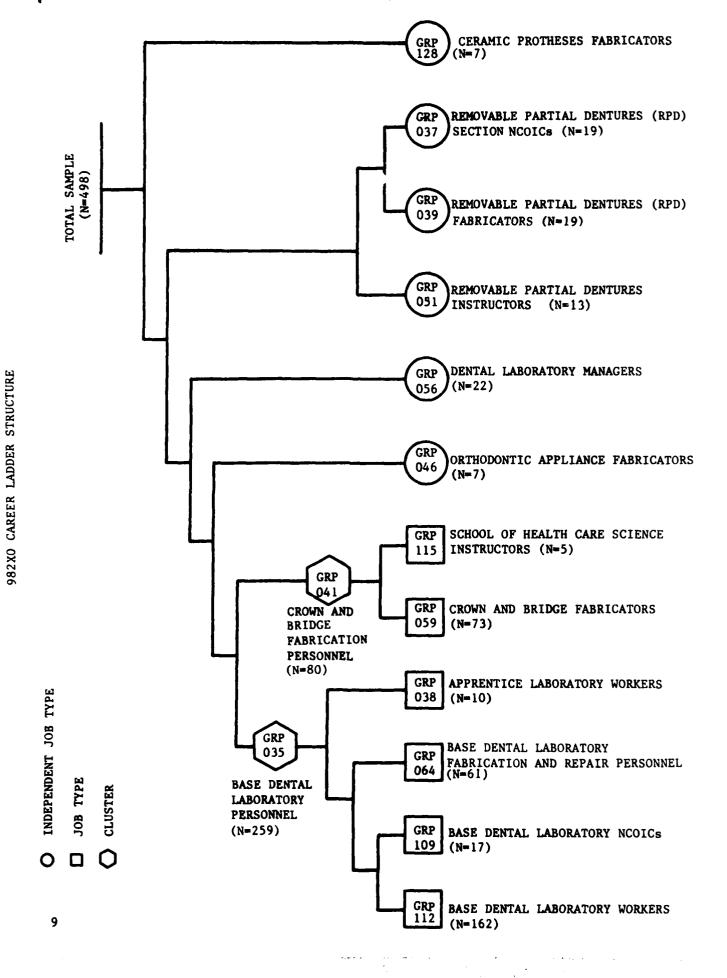
The main issue in this survey was to determine if dental laboratory specialists assigned to base laboratories and those assigned to regional area laboratories were performing jobs distinctly different enough to warrant channelized training. This issue was examined by ascertaining what jobs career ladder personnel were presently performing and how similar those jobs were to each other.

The set of tasks performed by each person in the survey sample constitutes his or her Job or Position. A group of jobs whose personnel perform many similar tasks and spend similar amounts of time performing them is called a Job Type. Job types having a substantial degree of similarity are grouped and called a Cluster. Those specialized job types too dissimilar to fit within a cluster are labeled Independent Job Types.

Based on the analysis of the task data, the survey sample separated into two major clusters: (1) Base Dental Laboratory personnel, and (2) Crown and Bridge Fabrication personnel, composed of both base and area laboratory personnel. Two independent jobs types, composed of both types of laboratory personnel, were also identified: Dental Laboratory Managers and Orthodontic Appliance Specialists. The majority of area laboratory personnel, however, formed no single identifiable cluster. They grouped into three independent job types relating to work with Removable Partial Dentures (RPD) and Ceramic Prostheses Fabrication.

The division of jobs performed in the 982X0 career ladder, based on task similarity and relative time spent, is illustrated in Figure 1. These clusters and job types are listed below. The group (GRP) number is referenced to computer printed information included for use by classification and training managers. The letter N stands for the number of people in the group.

- I. BASE DENTAL LABORATORY PERSONNEL CLUSTER (GRP035, N=259)
 - a. Base Dental Laboratory Workers (GRP112, N=162)
 - b. Base Dental Laboratory NCOICs (GRP109, N=17)
 - c. Base Dental Laboratory Fabrication and Repair Personnel (GRP064, N=61)
 - d. Apprentice Laboratory Workers (GRP038, N=10)
- II. CROWN AND BRIDGE FABRICATION PERSONNEL CLUSTER (GRP041, N=80)
 - a. Crown and Bridge Fabricators (GRP059, N=73)
 - Instructors, School of Health Care Sciences (SHCS) (GRP115, N=5)
- III. ORTHODONTIC APPLIANCE FABRICATORS (GRP046, N=7)
- IV. DENTAL LABORATORY MANAGERS (GRP056, N=22)



- V. REMOVABLE PARTIAL DENTURES (RPD) INSTRUCTORS (GRP051, N=13)
- VI. REMOVABLE PARTIAL DENTURES (RPD) FABRICATORS (GRP039, N=19)
- VII. REMOVABLE PARTIAL DENTURES (RPD) SECTION NCOICs (GRP037, N=11)
- VIII. CERAMIC PROSTHESES FABRICATORS (GRP128, N=7)

Eighty-four percent of the survey respondents were performing the jobs grouped within the two clusters and six independent job types listed above. The remaining sixteen percent performed jobs that did not group with any of the defined job types. Job titles for some of these respondents included instructor supervisor, metal finishing specialist, and blockout specialist. The set of tasks performed by these personnel separated these dental laboratory specialists from the mainstream of those in the career ladder.

Job Descriptions

The following paragraphs describe the jobs included in the clusters and independent job types defined during the career ladder structure analysis.

I. BASE DENTAL LABORATORY PERSONNEL CLUSTER (GRP035, N=259). This cluster of survey respondents provides a comprehensive view of work done at a base dental laboratory. It is also the largest identifiable cluster within the 982X0 career ladder. Comprising 62 percent of the survey sample, cluster members are responsible for performing those duties and tasks related to the overall mission of a base dental laboratory, i.e., the fabrication and repair of dental prostheses. Half of the job time was spent performing general laboratory tasks. General laboratory tasks include work with diagnostic and master casts, repair of broken or fractured dental appliances, fabrication of some types of appliances, and miscellaneous housekeeping activities. Among these are preparing slurry water, packing molds and flasks for shipment, and weighing and mixing gypsum products. A list of representative tasks performed by cluster members appears in Table 5. Fifty-five percent of group members are 5-skill level personnel, with the remainder holding the 3- or 7-skill levels. The job of base dental lab personnel was the broadest job identified, with members performing an average of 100 tasks (out of an inventory which included 325 tasks).

TABLE 5

REPRESENTATIVE TASKS OF BASE DENTAL LABORATORY CLUSTER (GRP035, N=259)

FABRICATE BASEPLATES, OCCLUSION RIMS, SOFT MOUNT GUARDS, CUSTOM IMPRESSION TRAYS, NIGHT GUARDS, SURGICAL STENTS AND SPLINTS (TEMPLATES), REMOUNTING INDEXES, VERTICAL BITE OPENERS, AND ACRYLIC ORTHODONTIC APPLIANCES

WAX-UP OR CARVE PATTERNS FOR CROWNS, FIXED PARTIAL DENTURES

MAINTAIN TOOTH INVENTORY MANAGEMENT (TIM) FILE FOLDERS

MAKE ENTRIES ON DENTAL LABORATORY PRESCIPTION AND CONSULATION REQUEST FORMS (AF FORM 994)

POUR AND TRIM DIAGNOSTIC AND MASTER CASTS

MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING TECHNIQUES OF FACE BOW TRANSFERS

SOAK CASTS IN SLURRY WATER

MOUNT AND OCCLUDE CASTS FOR INLAYS, CROWNS, OR FIXED PARTIAL DENTURES

ARRANGE ARTIFICIAL TEETH FOR RPDs

ADAPT AND ATTACH WROUGHT WIRE CLASPS FOR RPDs

PERFORM SELECTIVE GRINDING PROCEDURES ON RPDs AND COMPLETE DENTURES

PERFORM GENERAL HOUSEKEEPING TASKS

FINAL FINISH AND POLISH ACRYLIC PRODUCTS

HEAT CURE ACRYLIC APPLIANCES

ARRANGE ARTIFICIAL TEETH IN WAX FOR CENTRIC AND BALANCED ECCENTRIC OCCLUSIONS

BEAD AND BOX IMPRESSIONS

PACK CASES FOR SHIPMENT AND UNPACK CASES RECEIVED FROM OTHER BASES

CHARACTERIZE TOOTH ARRANGEMENTS AND DENTURE BASES

There were four groups identified within this cluster of base dental laboratory personnel. Two of the groups identified--Base Dental Laboratory Workers (Ia) and Apprentice Laboratory Workers (Id)), performed jobs adequately represented by the cluster description already provided. Apprentice laboratory workers were the most junior and did simple, less technical tasks than the Base Dental Laboratory Workers who were more senior in TAFMS and grade. Although task similarities among these four groups are greater than their differences, two of the groups warrant additional discussion because they were distinctly different in some aspects of the dental laboratory job they performed.

Ib. Base Dental Laboratory NCOICs (GRP109, N=17). This job type was composed of senior 5-skill level airmen, as well as some 7- and 9-skill level personnel. Each member of this group performed many of the general laboratory tasks discussed for the cluster. Approximately 42 percent of their job time was spent performing general laboratory tasks, while 23 percent was spent performing highly technical duties such as fabrication and repair of removable partial dentures (nine percent), complete dentures (eight percent), and orthodontic appliances (six percent). In addition, this job type was distinct from others in the cluster in members' performance of many supervisory and managerial tasks. Examples of such tasks performed by 60 percent or more of the group members included:

Determine work priorities
Develop work methods or procedures
Supervise Dental Lab Apprentices (DAFSC 98230)
and Dental Lab Specialists (DAFSC98250)
Write APRs
Establish work schedules
Conduct OJT
Analyze workload requirements
Establish performance standards

Ic. Base Dental Laboratory Fabrication and Repair Personnel (GRP064, N=61). This job type was composed of experienced 5- and 7-skill level personnel. Twenty-five members of the group are 7-skill level and 47 members are supervisors. One-fourth of their job time was spent performing general laboratory tasks typical of the cluster, but their distinctive job characteristic was the 40 percent of their time spent fabricating crowns, inlays, fixed partial dentures, and ceramic prostheses. These technical tasks are among the most exacting and difficult in the career ladder and are generally performed only by senior, experienced laboratory specialists. Concentration on performance of highly technical tasks composed much of this group's job, but supervision duties were also a job component with 18 percent of their duty time spent performing such tasks. Di tinguishing tasks for this job type include many tasks pertaining to fabrication, especially fabrication of ceramic prostheses:

Perform ultrasonic cleaning procedures of contoured porcelain surfaces
Wax-up or carve patterns for fixed partial dentures and crowns

Finish and polish dental alloys for crowns, inlays, or fixed partial dentures
Lubricate dies
Fire opaque porcelain

Although specialized technical tasks comprised the majority of this job, these laboratory specialists perform the largest number of tasks of any job group in this cluster. The average number of tasks performed by group members was 148.

II. CROWN AND BRIDGE FABRICATION PERSONNNEL CLUSTER (GRP041, N=80). This cluster is composed of 3-, 5-, and 7-skill level personnel (in a variety of settings) who fabricate crowns, inlays, fixed partial dentures, and ceramic prostheses. Sixty percent of the cluster were assigned to base dental laboratories; 34 percent worked in area dental laboratories; and six percent were performing instructor duties at the School of Health Care Sciences (SHCS) at Sheppard AFB, Texas. These instructors grouped with other laboratory personnel because of the training techniques in the resident course. The course is demonstration rather than lecture oriented so the instructors performed the same basic tasks they would if they were assigned to a base or area dental laboratory. Typical tasks performed by members of this cluster are displayed in Table 6. The jobs performed by this cluster are smaller in scope than the previous strictly base dental laboratory personnel cluster. The average number of tasks performed was 60. Supervision was part of the duties of less than 30 percent of the cluster. Managerial and supervisory duties accounted for less than 10 percent of job time.

TABLE 6

REPRESENTATIVE TASKS OF CROWN AND BRIDGE FABRICATION PERSONNEL CLUSTER (GRP041, N=80)

WAX-UP OR CARVE PATTERNS FOR CROWNS, FIXED PARTIAL DENTURES, AND VARIOUS TYPES OF PONTICS OR FACINGS

DEOXIDIZE (PICKLE) GOLD ALLOYS

CAST METAL SUBSTRUCTURES USING GAS AND OXYGEN

CAST CONVENTIONAL GOLD ALLOYS USING GAS AND AIR

WAX SUBSTRUCTURE PATTERNS TO FULL CONTOUR PRIOR TO CUTBACK

BURN OUT INVESTED WAX OR PLASTIC PATTERNS

APPLY BODY OR INCISAL PROCELAIN

DESPRUE CASTINGS

CONTOUR FIRED PORCELAIN

WAX-UP PATTERNS USING WAX ADDITIVE TECHNIQUE

POUR MASTER CASTS WITH REMOVABLE DIES

CONSTRUCT STONE DIES

FIRE OPAQUE, BODY, OR INCISAL PORCELAIN

ASSEMBLE FIXED PARTIAL DENTURE COMPONENTS FOR SOLDERING

PERFORM PREVENTIVE MAINTENANCE ON CROWN AND FIXED PARTIAL DENTURE EQUIPMENT

IIa. Crown and Bridge Fabricators (GRP059, N=73). This job type represents those dental laboratory specialists performing fabrication tasks in both base (66 percent) and area (34 percent) dental laboratories. They differed from the Fabrication and Repair job type of the previous cluster in that these job incumbents did few general laboratory tasks and spent the majority (70 percent) of their time fabricating crowns, inlays, fixed partial dentures, and ceramic prostheses. The scope of this job was also more narrow than the base dental lab fabrication group with the average fabricator performing 50 tasks. Specific tasks performed did not differ widely from the list presented in Table 6. This job type also mirrored the main cluster in that approximately 30 percent of the group were supervisors with such duties accounting for eight percent of the job time.

- IIb. Instructors, School of Health Care Sciences (SHCS) (GRP115, N=5). These personnel conducted dental laboratory specialist resident training at Sheppard AFB, Texas. As a result of the demonstration of numerous laboratory procedures and techniques, these instructors performed many of the tasks common to the cluster. Group members were, of course, distinctly different in that 25 percent of their job time specifically related to training tasks. All members developed training aids and prepared lesson plans, as well as wrote, administered, and scored tests. Thirty-five percent of their job was composed of tasks related to fabrication of crowns, inlays, and fixed partial dentures—the course content these instructors taught. These 5— and 7-skill level personnel performed an average of 78 tasks. Three of the group members considered themselves supervisors of apprentice (3-skill level) laboratory specialists, and all members performed trainee counseling on training, as well as personal or military-related matters.
- III. ORTHODONTIC APPLIANCE FABRICATORS (GRP046, N=7). This small independent job type was comprised of 3-, 5-, and 7-skill level personnel who spent 78 percent of their time performing general laboratory tasks and fabricating and repairing orthodontic appliances. Because of the requirement to provide dental care in overseas locations, six group members are assigned overseas. The remaining member is assigned to Wilford Hall Medical Center, Lackland AFB, Texas, to support training of Air Force dentists. Orthodontic appliance personnel averaged performing 37 tasks, among them fabrication and repair of acylic orthodontic appliances, shaping wire for orthodontic appliances, and performing orthodontic trim of diagnostic casts. This group represents a small, highly specialized segment of the dental laboratory career ladder.
- IV. DENTAL LABORATORY MANAGERS (GRP056, N=22). This independent job type consists of individuals placed in positions of responsibility where they were removed from the requirement to perform technical tasks. Located at area dental laboratories and large base laboratories, these job incumbents spent 90 percent of their time performing supervisory and managerial duties. Only eight percent of their time was spent fabricating or repairing dental prostheses. Seventy-seven percent of the group members hold a 7- or 9-skill level and 90 percent supervise other dental laboratory personnel. Their duty titles ranged from Dental Laboratory Manager or Superintendent (46 percent) and Dental Laboratory Department NCOIC (37 percent) to Dental Laboratory Supply Custodian (nine percent). This group performed an average of 78 tasks, mostly supervisory or administrative in nature. Examples of such tasks included writing APRs, interpreting policies, directives, or procedures for subordinates, determining scheduling and workload requirements, and counseling personnel on training progress, as well as personal or military-related matters.
- V. REMOVABLE PARTIAL DENTURES (RPD) INSTRUCTORS (GRP051, N=13). Members of this independent job type spent the majority of their time performing technical tasks related to fabrication and repair of removable partial dentures (37 percent) in support of training. Seven members of the job group are resident course instructors at Sheppard AFB's School of Health Care Sciences. Other members are area laboratory personnel involved in

on-the-job training programs. The instructors grouped with field area laboratory personnel due to the emphasis in training on demonstration of techniques. Such an emphasis results in similar task responses. A selective list of RPD technical tasks performed appears in Table 7. Training tasks performed which differentiated this group from other RPD personnel included counseling of personnel, administration and scoring of tests, and evaluation of training progress. The average number of tasks performed was 66 and 31 percent of group members were supervisors.

VI. REMOVABLE PARTIAL DENTURES (RPD) FABRICATORS (GRP039, N=19). These personnel were found only at area laboratories and were responsible for the fabrication of RPDs. They spent 92 percent of their time performing RPD fabrication and general laboratory tasks. They spent only one percent of their time performing those technical duties associated most closely with base dental laboratories, i.e., fabrication of crowns, inlays, fixed partial dentures, or fabrication and repair of complete dentures. Sixty-eight percent of this group were 3-skill level personnel and 75 percent were in their first-enlistment. This job type represents one of the most specialized among the 982X0 personnel. RPD fabricators performed an average of only 12 inventory tasks. These include:

Finish and polish dental alloys for RPDs Check finished framework on duplicate master casts for accurate fit Solder metal frameworks of RPDs electrically Desprue castings

TABLE 7

REPRESENTATIVE TECHNICAL TASKS OF RPD INDEPENDENT JOB TYPES

SANDBLAST OR SHELLBLAST APPLIANCES

BURN OUT INVESTED WAX OR PLASTIC PATTERNS

TI-LECTRO POLISH CASTINGS

FINISH AND POLISH DENTAL ALLOYS FOR RPDs

POUR AND TRIM REFRACTORY CASTS

MARK INVESTMENT MOLDS WITH INGOT SIZE

BLOCK OUT UNDESIRABLE UNDERCUTS

BLOCK OUT AND RELIEVE MASTER CASTS

ADAPT WROUGHT WIRE CLASPS FOR RPDs

DIRECT MAINTENANCE OR UTILIZATION OF EQUIPMENT

WAX DIP REFRACTORY CASTS

PERFORM PAINT-ON PROCEDURES FOR INVESTMENTS

SPRUE WAX PATTERNS FOR RPDs

DUPLICATE MASTER CASTS

PERFORM SELECTIVE GRINDING PROCEDURES ON RPDs

PERFORM PREVENTIVE MAINTENANCE ON RPD EQUIPMENT

VII. REMOVABLE PARTIAL DENTURES (RPD) SECTION NCOICS (GRP037, N=11). This independent job type contains 7- and 9-skill level personnel exclusively. Forty percent of their job time was spent performing management and supervision tasks, while the remaining job time was spent fabricating RPDs. Despite the joining of supervisory tasks to performance of RPD fabrication tasks, group members still performed few tasks, with the average being 28. Tasks performed by nine or more of the group included checking finished framework on duplicate master casts for accurate fit, finishing and polishing dental alloys for RPDs, soldering metal frameworks of RPDs electrically, and supervising dental laboratory specialists.

VIII. CERAMIC PROSTHESES FABRICATORS (GRP128, N=7). This independent job type reflected another highly specialized area laboratory job within the 982X0 career ladder. Three-, 5-, and 7-skill level personnel are represented within the group. Fifty-seven percent are in their first enlistment and the average number of tasks performed was 19. Eighty percent of this group's time was spent fabricating porcelain products. An additional eight percent was spent fabricating crowns, inlays, and fixed partial dentures. Common tasks performed included applying and firing body or incisal porcelain, contouring fired porcelain, and staining porcelain restorations.

Comparisons of Specialty Jobs

Clusters and independent job types identified are shown in Tables 8 and 9, along with selected background information and job satisfaction data.

The two largest groups in the survey were the Base Dental Laboratory Personnel Cluster and the Crown and Bridge Fabrication Personnel Cluster. These 982X0 personnel groups were very similar in percent of first-enlistment (34-39 percent), grade, average months in career field, and average months of total active federal military service (TAFMS). The two clusters differed in both number of tasks performed and size of group. The Base Dental Laboratory cluster accounted for 62 percent of the survey sample, and members averaged performing 100 tasks, by far the most diverse job identified. The Crown and Bridge Fabrication Cluster, comprised of SHCS instructors and crown and bridge fabricators, accounted for 19 percent of the survey group, with members performing an average of 60 tasks.

The independent job types identified tended toward specialization and unique characteristics. The two most senior personnel groups were the Dental Laboratory Managers and the RPD Section NCOICs. Several specialized jobs performed by few 982X0 personnel were identified: Orthodontic Appliance Fabricators, performing an average of 37 tasks; Ceramic Prostheses Personnel, performing an average of 19 tasks; and RPD Fabricators, performing an average of 12 tasks. All of these groups contained small numbers of first-enlistment personnel.

Job satisfaction among 982X0 personnel was very good (Table 9). The vast majority of members found their jobs interesting, as well as making good use of training and talent. Three groups were less satisfied: RPD Instructors, RPD Fabricators, and Orthodontic Appliance Fabricators. All three groups reported consistently lower feelings of accomplishment on the job than other job groups identified. Additionally, RPD Fabricators believed their job did not adequately use their talents or training. This group also reported the lowest reenlistment intention of any job group (see Table 9). Feelings of job dissatisfaction may relate to the highly specialized nature and narrow scope of the job. Group members spent each duty day performing an average of 12 tasks. Repetition and resulting boredom or frustration could be a problem among these technicians.

Career ladder jobs were compared for difficulty using the Job Difficulty Index (JDI) described in the TASK FACTOR ADMINISTRATION portion of this report. The JDI is based on the number of tasks performed and the relative

difficulty of these tasks. The index ranges from 1.0 for very simple jobs to 25.0 for the most demanding jobs. This index provides an overview of jobs within a career ladder and pinpoints those jobs of increasing responsibility and broader scope.

Table 8 displays the JDI values for the jobs performed by 982X0 personnel. The most difficult jobs are Dental Laboratory Managers, followed by the Base Dental Laboratory personnel and Crown and Bridge Fabrication personnel clusters. Jobs with the lowest JDI were those extremely narrow in scope--RPD Fabricators and Ceramic Prostheses personnel. Note that RPD Fabricators, the job with the lowest JDI value, was also the 982X0 job with the lowest job satisfaction of all job groups.

As discussed earlier, analysis of the 982X0 career ladder structure revealed base dental laboratory personnel performed a broad range of tasks and made up approximately 64 percent of career ladder personnel. Area laboratory personnel performed small, specialized jobs composed of a narrow range of tasks. Base and area laboratory personnel grouped together in some fabrication tasks (crowns and bridges) and at senior supervisory levels but, generally, base and area laboratory airmen performed different jobs. The nature of these differences was apparent when job descriptions for 3- and 5-skill level airmen at area and base dental laboratories were compared (see Appendix B for complete job descriptions).

The 237 3- and 5-skill level personnel who indicated they worked in a base dental laboratory, were primarily concerned with general laboratory tasks and fabrication of crowns, inlays, and fixed partial dentures. The majority of these airmen (79 percent) grouped with the Base Dental Laboratory Personnel Cluster with most appearing in the Laboratory Worker group. Fifty-nine percent of the Fabrication and Repair Personnel job type were also base dental laboratory 3- and 5-skill level personnel. Small numbers of base dental laboratory personnel were performing the independent job type of Orthodontic Appliance Fabricators. Each 3- and 5-skill level base laboratory airman performed an average of 96 tasks. Table 10 presents a sample list of common tasks performed by 98230/50 personnel assigned to a base dental laboratory.

The jobs performed by the 3- and 5-skill level area laboratory dental laboratory specialist were quite different. These 133 airmen were primarily involved in the fabrication and repair of removable partial dentures (RPDs) and performance of general laboratory tasks. Five-skill level area laboratory personnel were also somewhat more involved in supervision than their base dental laboratory peers (see Table 11). The majority of area laboratory personnel grouped either with the Crown and Bridge Fabrication Personnel Cluster (32 percent), specifically in the Crown and Bridge Fabricator group, or in the RPD Fabricator and Ceramic Prostheses Fabricator independent job types (25 percent). Overall, area laboratory jobs for 3- and 5-skill level airmen were more specialized and narrower in scope than base dental laboratory 3- and 5-skill level jobs. Correspondingly, area laboratory personnel performed an average of 27 tasks compared to 96 tasks for base dental laboratory 3- and 5-skill level airmen. Table 12 provides a representative list of common tasks performed by 30 percent or more of 3-and 5-skill level area laboratory personnel.

In summary, jobs performed by area laboratory personnel were narrower, more specialized jobs relating to fabrication of RPDs, ceramic prostheses, and orthodontic appliances. Base dental laboratory personnel did little or none of this work. They had diverse jobs involving performance of more general laboratory tasks and fabrication of crowns, inlays, and fixed partial dentures.

TABLE 8

SELECTED BACKGROUND INFORMATION FOR CLUSTERS AND INDEPENDENT JOB TYPES

NUMBER IN GROUP PERCENT OF TOTAL SAMPLE PERCENT IN CONUS	BASE DENTAL LABORATORY PERSONNEL (GRP035) 259 62% 76%	CROWN AND BRIDGE FABRICATION PERSONNEL (GRPO41) 80 19% 75%	ORTHODONTIC APPLIANCE FABRICATORS (GRP046) 7 2% 14%	DENTAL LAB. HANAGERS (GRP056) 22 5% 73%	RPD INSTR. (GRP051) 13 3% 85%	RPD FABRICATORS (GRP039) 19 4% 84%	RPD SECTION NCOICS (GRP037)	CERAMIC PROSTHESES FABRICATORS (GRP128) 7 2% 712
DAFSC DISTRIBUTION 98230 98250 98270	244 5588 2388	23% 56% 20%	29% 57% 34%	14%	15% 62% 23%	68% 32% -	166 166	29% 57% 14%
98290 98200	* 1	, ,	4 1	27 % 9 %		. 1		
AVG. GRADE AVG. MONTHS IN CAREER FIELD AVG. MONTHS IN SERVICE	4.4 66 83	4.5 64 78	4.2 76 82	6.9 165 214	4.8 73 89	3.4	4.9 99 114	4.2 56 56
PERCENT IN FIRST ENLISTMENT PERCENT SUPERVISING AVERAGE NO. OF TASKS PERFORMED JOB DIFFICULTY INDEX (JDI) (AVERAGE JDI = 13.00)	39% 37% 100	34% 39% 60 13.9	288% 37 %%	90% 78 78 76 76	22 % 31 % 66	75% 5% 12	- 73 % 28 10.1	57% 43% 19 19
			:	?	:	:	· ·	:

*LESS THAN ONE PERCENT

TABLE 9

JOB SATISFACTION INFORMATION FOR 982X0 JOB GROUPS (PERCENT RESPONDING)

CERAMIC PROSTHESES FABRICATORS (GRP128)	71 - 86	29 71	29	14 885	57.
RPD SECTION NCOICS (GRP037)	8 6 8 8 7	18 82	9	. 188 189	- 18 82
RPD FABRICATORS (GRP039)	11 32 57	58	37 63	21 11 63	- 47 53
RPD INSTR (GRP051)	23 8 69	15 85	100	23 8 68	23 77
DENTAL LAB. MANAGERS (GRPOS6)	5 2 0	7 96	9	18	23 18 59
ORTHODONTIC APPLIANCE FABRICATORS (GRP046)	14 - 17	100	14 86	14 14 71	29 57
CROWN AND BRIDGE FABRICATION PERSONNEL (GRP041)	88 89	s 8	م. بر م	11 9 78	5 25 70
BASE DENTAL LABORATORY PERSONNEL (GRP035)	3 5 91	93 6	9 46	4 2 0	, , , , , , , , , , , , , , , , , , ,
	HOW DO YOU FIND YOUR JOB: DULL SO-SO INTERESTING	HOW WELL DOES YOUR JOB UTILIZE YOUR TALENTS: VERY LITTLE OR NOT AT ALL FAIRLY WELL TO PERFECTLY	HOW WELL DOES YOUR JOB UTILIZE YOUR TRAINING: VERY LITTLE OR NOT AT ALL FAIRLY WELL TO PERFECTLY	HOW SATISFIED ARE YOU WITH THE SENSE OF ACCOPPLISHERY GAINED FROM YOUR JOB: DISSATISFIED AMBIVALENT SATISFIED	DO YOU PLAN TO REENLIST: NO, I WILL RETIRE WITH 20 YR HILITARY SERVICE NO OR PROBABLY NO YES OR PROBABLY YES

TABLE 10

REPRESENTATIVE TASKS PERFORMED BY 98230/50 PERSONNEL: BASE DENTAL LABORATORY

TASKS		PERCENT MEMBERS PERFORMING
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	
	TECHNIQUES	95
F157	PERFORM GENERAL HOUSEKEEPING TASKS	94
F158	POUR AND TRIM DIAGNOSTIC CASTS	89
F159	POUR AND TRIM MASTER CASTS	89
F164	PREPARE SLURRY WATER	82
F172	SELECT ARTIFICIAL TEETH	81
F171	SANDBLAST OR SHELLBLAST APPLIANCES	81
F181	WEIGH AND MIX GYPSUM PRODUCTS	80
F147	FLASK PROSTHETIC APPLIANCES FOR PROCESSING	79
F148	HEAT CURE ACRYLIC APPLIANCES	79
H196	ARRANGE ARTIFICIAL TEETH FOR RPDs	77
F179	WAX-UP AND CONTOUR DENTURE BASES	76
	PACK FLASKED APPLIANCES	70
I249	MOUNT CAST FOR INLAYS, CROWNS, OR FIXED PARTIAL DENTURES	68
1259	SPRUE WAX PATTERNS FOR CROWNS, INLAYS, AND FIXED PARTIAL	
	DENTURES	65
F130	BURNOUT INVESTED WAX OR PLASTIC PATTERNS	61
I230	CHECK FINISHED CASTING ON DIE FOR ACCURATE FIT	61
1677	WEIGH AND MEASURE DENTAL LABORATORY MATERIALS USING TROY	
	SYSTEM	57
	FINISH AND POLISH ORTHODONTIC APPLIANCES	55
F150	MAKE ADJUSTMENTS TO IMPRESSION TRAYS, SUCH AS STRENGHTENING	
	OR PERFORATING	54
E113		
	CONSULTATION REQUEST FORMS (AF FORM 994)	52
K294	BEND WIRE FOR ORTHODONTIC APPLIANCES	51
	CAST CONVENTIONAL GOLD ALLOYS USING GAS AND AIR	50
1265	WAX-UP PATTERNS USING WAX ADDITIVE TECHNIQUE	47
A3	DETERMINE WORK PRIORITIES	42
E123	RECEIVE SUPPLIES	42

TABLE 11
SUPERVISORY TASKS PERFORMED BY 98250 PERSONNEL

TASKS		PERCENT AREA LAB PERSONNEL PERFORMING	PERCENT BASE LAB PERSONNEL PERFORMING
C69	WRITE APRS	38	32
B48	SUPERVISE DENTAL LABORATORY SPECIALISTS (AFSC 98250)	36	24
B46	SUPERVISE APPRENTICE DENTAL LABORATORY SPECIALISTS (AFSC 98230)	36	27
A12	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS, CONFERENCES, OR WORKSHOPS	40	57
D75	CONDUCT OJT	26	33

TABLE 12

REPRESENTATIVE TASKS PERFORMED BY 98230/50 PERSONNEL:

AREA DENTAL LABORATORY

TASKS		PERCENT MEMBERS PERFORMING
F157	PERFORM GENERAL HOUSEKEEPING TASKS	50
F171	SANDBLAST OR SHELLBIAST APPLIANCES	44
H195	ADAPT WROUGHT IRON CLASPS FOR RPDs	38
F138	ELIMINATE POSITIVE STONE NODULES	34
F135	DESPRUE CASTING	33
H197	ATTACH WROUGHT IRON CLASPS TO RPDs	32
H219	SPRUE WAX PATTERNS FOR RPDs	30
H203	FINISH AND POLISH DENTAL ALLOYS FOR RPDs	30
H220	TI-LECTRO POLISH CASTINGS	30
H221	TRANSFER DESIGNS FROM MASTER CASTS TO REFRACTORY CASTS	29

ANALYSIS OF DAFSC GROUPS

An analysis of DAFSC groups, in conjunction with the analysis of the career ladder structure, is an important part of each occupational analysis. The DAFSC analysis identifies differences in task performance at various skill levels. This information is also used to evaluate how well career ladder documents, such as AFR 39-1 Specialty Descriptions and the Specialty Training Standard (STS), reflect what career ladder personnel are actually doing in the field.

DAFSC 98230/50: These 392 personnel were primarily involved in performance of general laboratory tasks and fabrication of crowns, inlays, and fixed partial dentures. Thirty-eight percent of their duty time was occupied with general laboratory tasks such as work with diagnostic and master casts, repair of broken or fractured dental appliances, and miscellaneous Eighteen percent of their job time was spent housekeeping activities. fabricating crowns, inlays, and fixed partial dentures. The duty occupying the third most time was fabrication and repair of removable partial dentures Three- and 5-skill level personnel formed the overwhelming (16 percent). majority of all job groups discussed in the CAREER LADDER STRUCTURE section except for the most senior job group of Dental Laboratory Managers. They represented over 85 percent of Orthodonic Appliance Fabricators, Ceramic Prostheses Fabricators, and Removable Partial Dentures (RPD) Section NCOICs. Three- and 5-skill level airmen also comprised over 75 percent of the Base Dental Laboratory Personnel and Crown and Bridge Fabrication Personnel clusters as well as Removable Partial Dentures (RPD) Three- and five-skill level personnel are obviously well dispersed throughout the career ladder's technical jobs. Table 13 displays tasks commonly performed by airmen at these skill levels.

TABLE 13

REPRESENTATIVE TASKS PERFORMED BY 98230/50 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING
F157	PERFORM GENERAL HOUSEKEEPING TASKS MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING TECHNIQUES	78
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	
	TECHNIQUES	70
F171	SANDBLAST OR SHELLBLAST APPLIANCES	67
F149	KEY OR SCORE CASTS	63
F138	ELIMINATE POSITIVE STONE NODULES	61
F158	POUR AND TRIM DIAGNOSTIC CASTS	60
F181	WEIGH AND MIX GYPSUM PRODUCTS	60
F159	POUR AND TRIM MASTER CASTS	60
F164	PREPARE SLURRY WATER	58
F174	SOAK CASTS IN SLURRY WATER	57
F146	FINAL FINISH AND POLISH ACRYLIC PRODUCTS	57
F156	PAINT MOLDS WITH TINFOIL SUBSTITUTES	56
F139	FABRICATE CUSTOM IMPRESSION TRAYS	55
F172	SELECT ARTIFICIAL TEETH	55
F160	PERFORM GENERAL HOUSEKEEPING TASKS MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING TECHNIQUES SANDBLAST OR SHELLBLAST APPLIANCES KEY OR SCORE CASTS ELIMINATE POSITIVE STONE NODULES POUR AND TRIM DIAGNOSTIC CASTS WEIGH AND MIX GYPSUM PRODUCTS POUR AND TRIM MASTER CASTS PREPARE SLURRY WATER SOAK CASTS IN SLURRY WATER FINAL FINISH AND POLISH ACRYLIC PRODUCTS PAINT MOLDS WITH TINFOIL SUBSTITUTES FABRICATE CUSTOM IMPRESSION TRAYS SELECT ARTIFICIAL TEETH PREPARE CASTS FOR FLASKING PREPARE CASTS OR MATRICES FOR DENTURE REPAIR CLEAN AND PREPARE MOLDS FOR PACKING DEFLASK PROCESSED APPLIANCES BOIL OUT WAX FROM MOLDS ARRANGE ARTIFICIAL TEETH FOR RPDS PREPARE FRACTURED AREAS OF DENTURES TO RECEIVE NEW ACRYLIC MATERIAL FABRICATE SOFT MOUTH GUARDS FLASK PROSTHETIC APPLIANCES FOR PROCESSING HEAT CURE ACRYLIC APPLIANCES	54
F161	PREPARE CASTS OR MATRICES FOR DENTURE REPAIR	54
F133	CLEAN AND PREPARE MOLDS FOR PACKING	54
F134	DEFLASK PROCESSED APPLIANCES	54
F129	BOIL OUT WAX FROM MOLDS	54
H196	ARRANGE ARTIFICIAL TEETH FOR RPDs	53
F162	PREPARE FRACTURED AREAS OF DENTURES TO RECEIVE NEW ACRYLIC	
	MATERIAL	53
F143	FABRICATE SOFT MOUTH GUARDS	53
F147	FLASK PROSTHETIC APPLIANCES FOR PROCESSING	53
F148	HEAT CURE ACRYLIC APPLIANCES	53
F169	REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING	
	ACRYLICS	53
F125	BEAD AND BOX IMPRESSIONS	53
F163	PREPARE IMPRESSIONS FOR POURING DIAGNOSTIC CASTS OR MASTER	
	CASTS	53
F180	WEIGH AND MEASURE DENTAL LABORATORY MATERIALS USING METRIC	
	SYSTEM	5 2
F142	FABRICATE OR ADAPT BASEPLATES	52
1249	MOUNT CASTS FOR INLAYS CROWNS OR FIXED PARTIAL DENTURES	51

DAFSC 98270: As career ladder personnel progressed from the 3- and 5-skill levels to the 7-skill level, the jobs they performed took on additional supervisory emphasis. The job differences noted between base dental labs and area labs continued. Ninety-five 7-skill level personnel made up the total group: 69 were assigned to base labs and were performing an average of 109 tasks; 17 were assigned to area labs performing an average of 29 tasks; and the remaining seven were involved in resident training.

These more experienced personnel grouped within the Base Dental Laboratory NCOIC and Removable Partial Dentures Section NCOIC groups, but were also found in several of the fabrication groups and area lab independent job types where they performed more technical, highly skilled tasks. Those members assigned to base dental laboratories continued to spend most of their time performing general laboratory tasks (30 percent) or fabricating crowns, inlays, and fixed partial dentures (20 percent). Seven-skill level personnel assigned to area laboratories spent their time fabricating removable partial dentures and ceramic prostheses (27 percent) and supervising and evaluating work performed (31 percent). Table 14 presents a general overview of work performed at this level of the 982X0 career ladder.

AFSC 98290/00: The nine members at this skill level are clearly the managers in this career ladder, spending 83 percent of their time performing supervisory and managerial tasks. They grouped with the Dental Laboratory Manager and Base Dental Laboratory NCOIC groups. Table 15 lists those tasks performed by 85 percent or more of this group. Although most of their time was spent supervising and managing, group members must be experienced in the technical tasks associated with the career ladder. The most common technical tasks they performed were of high difficulty, involving the fabrication of crowns, inlays, fixed partial dentures, and porcelain products.

TABLE 14 REPRESENTATIVE TASKS PERFORMED BY 98270 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING
C69	WRITE APRs	81
A3	DETERMINE WORK PRIORITIES	74
A12	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS,	
	CONFERENCES, OR WORKSHOPS	74
F157	PERFORM GENERAL HOUSEKEEPING TASKS	73
B48	SUPERVISE DENTAL LAB SPECIALISTS	71
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	
	TECHNIQUES	68
F138	ELIMINATE POSITIVE STONE NODULES	68
B29	COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED MATTERS	68
E113	MAKE ENTRIES ON DENTAL LABORATORY PRESCRIPTION AND	
	CONSULTATION REQUEST FORMS (AF FORM 994)	64
E118	MAKE ENTRIES ON RECORD OF DENTAL PRECIOUS METALS AND	
	ALLOYS FORMS (AF FORM 520)	63
F159	POUR AND TRIM MASTER CASTS	63
I243	FINISH AND POLISH DENTAL ALLOYS FOR CROWNS, INLAYS, OR	
	FIXED PARTIAL DENTURES	56
J271	APPLY OPAQUE PORCELAIN	45
D73	ASSIGN ON-THE-JOB TRAINING (OJT) TRAINERS	44
J272	CAST METAL SUBSTRUCTURES USING CAST AND OXYGEN	40
1226	APPLY DIE SPACER TO DIE	36

TABLE 15

TASKS PERFORMED BY 85 PERCENT OR MORE 98290/00 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING
B29	COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED MATTERS	100
B36	DRAFT OR WRITE CORRESPONDENCE	100
C69	WRITE APRS	100
C53	ENDORSE APRs	100
A12	PARTICIPATE IN MEETINGS	100
A8	ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (01),	
	OR STANDARD OPERATING PROCEDURES (SOP)	100
A9	ESTABLISH PERFORMANCE STANDARDS	100
A24	SCHEDULE LEAVES, PASSES, OR TDYS	100
A2	DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR	
	SUPPLIES	100
B42	INITIATE PERSONNEL ACTIONS	89
B25	ASSIGN PERSONNEL TO DUTY POSITIONS	89
B45	ORIENT NEWLY ASSIGNED PERSONNEL	89
B50	SUPERVISE DENTAL LAB TECHNICIANS (AFSC98270)	89
C59	EVALUATE INSPECTION REPORTS OR PROCEDURES	89
A3	DETERMINE WORK PRIORITIES	89
C71	WRITE STAFF STUDIES SURVEYS, OR SPECIAL REPORTS	89
A5	DEVELOP SELF-INSPECTION PROGRAMS	89
C61	EVALUATE MAINTENANCE OR USE OF WORKSPACE, EQUIPMENT, OR	
	SUPPLIES	89
B26	CONDUCT BRIEFING	89
A 1	ASSIGN SPONSORS FOR NEWLY ASSIGNED PERSONNEL	89

Summary

Job progression within the 982X0 career ladder followed normal patterns. Lower skill levels performed tasks predominantly technical in nature. Technical tasks differed substantially depending upon whether personnel were assigned to a base or area dental laboratory. As skill level increased, additional emphasis on supervision and management responsibilities were noted.

ANALYSIS OF EXPERIENCE GROUPS (TAFMS)

Utilization patterns for survey respondents in different Total Active Federal Military Service (TAFMS) groups were examined to determine if there were differences in tasks performed. The 982X0 members surveyed fit the usual pattern seen in most career ladders. As time in service increased, there was a corresponding increase in performance of duties involving supervisory, managerial, and training tasks (see Table 16). As time spent on these tasks increased, time spent performing technical tasks declined. Through the fourth enlistment, technical tasks remained the focus of dental laboratory specialist jobs. Following a transition during the fifth enlistment, the sixth enlistment found supervisory and managerial functions accounting for the majority of the respondent's time.

First-Enlistment Personnel

Figure 2 shows the distribution of first-enlistment personnel across the job groups discussed in the CAREER LADDER STRUCTURE portion of this First-enlistment personnel (1-48 months) spent the major portion of their job time performing the technical tasks associated with either base or area dental laboratory, depending on their initial assignment. Personnel assigned to a base dental laboratory spent over 50 percent of their time performing general laboratory tasks and 17 percent of their time fabricating and repairing crowns, inlays, and fixed partial dentures (see Table 16). If the first-enlistment airman was assigned to one of the six regional area laboratories, the focus of work was quite different. Forty percent of the job time was devoted to fabrication and repair of removable partial dentures, with another 23 percent of the job time spent in the performance of general laboratory tasks (see Table 16). Note that the relative time spent performing technical tasks was closely aligned only in the fabrication of crowns, inlays, and fixed partial dentures. Otherwise, as discussed in the CAREER LADDER STRUCTURE section of this report, base and area laboratory personnel performed substantially different technical tasks. Table 17 presents those tasks performed by most first-enlistment personnel assigned to base laboratories. Table 18 displays tasks performed by most first-enlistment personnel at area laboratories.

FIGURE 2

DISTRIBUTION OF FIRST ENLISTMENT PERSONNEL ACROSS CAREER LADDER JOBS (PERCENT MEMBERS RESPONDING) (N=157)

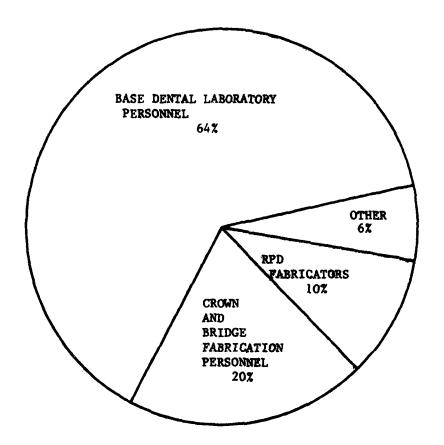


TABLE 16

PERCENT TIME SPENT ON DUTIES BY 982X0 EXPERIENCE GROUPS (RELATIVE TIME SPENT)

ENLISTMENT GROUPS (HONTHS TAFMS)

			1000	CHANGE TO THE INC.	6		
	1-48 RASE	ARFA	96-67	97-144	97-144 145-192	193-240	241+
UTY	(N=125)	(92=N)	(N=139)	(N=68)	(N=37)	(N=31)	(N=17)
ORGANIZING AND PLANNING	7	-	4	ഹ	7	10	17
DIRECTING AND IMPLEMENTING	-	~	7	∞	0	12	17
INSPECTING AND EVALUATING	*	*	7	4	9	6	15
TRAINING	*	*	က	œ	7	9	7
ADMINISTRATIVE AND SUPPLY TASKS	ო	m	٣	9	S	7	9
GENERAL LABORATORY TASKS	53	23	36	28	56	20	18
FABRICATING AND REPAIRING COMPLETE DENTURES	7	*	7	4	ო	ო	m
FABRICATING AND REPAIRING REMOVABLE PARTIAL							
DENTURES (RPD)	9	04	12	11	6	4	7
FABRICATING CROWNS, INLAYS, AND FIXED PARTIAL							
DENTURES	17	70	19	15	16	15	~
FABRICATING CERAMIC PROSTHESES	4	6	6	7	10	11	'n
FABRICATING AND REPAIRING ORTHODONTIC							
APPLIANCES	9	7	4	7	7	4	က
FABRICATING SPECIAL PROTHESES	*	*	*	*	-}c	*	*

*LESS THAN ONE PERCENT

TABLE 17 TASKS PERFORMED BY MOST FIRST-ENLISTMENT 982X0 PERSONNEL: BASE DENTAL LABORATORY

TASKS		PERCENT. MEMBERS. PERFORMING
		26
F157	PERFORM GENERAL HOUSEKEEPING TASKS	96
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	0/
	TECHNIQUES	94
F159	POUR AND TRIM MASTER CASTS	90
	POUR AND TRIM DIAGNOSTIC CASTS	90
	KEY OR SCORE CASTS	90
	FABRICATE CUSTOM IMPRESSION TRAYS	87
F156		86
F146	FINAL FINISH AND POLISH ACRYLIC PRODUCTS	84
F142	FABRICATE OR ADAPT BASEPLATES	84
F161	PREPARE CASTS OR MATRICES FOR DENTURE REPAIR	84
F162	PREPARE FRACTURED AREAS OF DENTURES TO RECEIVE NEW ACRYLIC	
	MATERIAL	84
F181	WEIGH AND MIX GYPSUM PRODUCTS	83
F133	CLEAN AND PREPARE MOLDS FOR PACKING	83
F141	FABRICATE OCCLUSION RIMS	83
F148	HEAT CURE ACRYLIC APPLIANCES	82
F169	REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING ACRYLICS	82
F160		82 82
F143	FABRICATE SOFT MOUTH GUARDS	82 82
F143	FLASK PROSTHETIC APPLIANCES FOR PROCESSING	82 82
•		82
F163	PREPARE IMPRESSIONS FOR POURING DIAGNOSTIC CASTS OR MASTER CASTS	81
F134	DEFLASK PROCESSED APPLIANCES	81
H196	ARRANGE ARTIFICIAL TEETH FOR RPDs	80
F170	REPLACE BROKEN OR MISSING ARTIFICIAL TEETH ON COMPLETE OR	80
1170	PARTIAL DENTURE BASES	80
F171		-
		79 70
F129	BOIL OUT WAX FROM MOLDS	79 70
G191	REMOUNT CASTS	79

TABLE 18

TASKS PERFORMED BY THE MOST FIRST-ENLISTMENT 982X0 PERSONNEL:
AREA DENTAL LABORATORY

TASKS		PERCENT MEMBERS PERFORMING
F157	PERFORM GENERAL HOUSEKEEPING TASKS	49
F171	SANDBLAST OR SHELLBLAST APPLIANCES	47
H195	ADAPT WROUGHT WIRE CLASPS FOR RPDs	39
H223	WAX AND ADAPT COMPONENTS OF FRAMEWORK PATTERNS ON REFRACTORY	
	CASTS FOR RPDs	33
F135	DESPRUE CASTINGS	33
H219	SPRUE WAX PATTERNS FOR RPDs	32
H197	ATTACH WROUGHT WIRE CLASPS TO RPDs	32
F138	ELIMINATE STONE NODULES	30
H221	TRANSFER DESIGNS FROM MASTER CASTS TO REFRACTORY CASTS	29
H220	TI-LECTRO POLISH CASTINGS	29
H203	FINISH AND POLISH DENTAL ALLOYS FOR RPDs	28
H216	SOLDER METAL FRAMEWORKS OF RPDs ELECTRICALLY	26

ANALYSIS OF JOB SATISFACTION

Table 19 presents data reflecting the job interest, perceived utilization of talents and training, and reenlistment intentions of selected TAFMS groups. No comparative job satisfaction data was available because no medical or dental career ladder was surveyed in 1981.

AFSC 982X0 career ladder personnel reported high levels of job satisfaction. Both first-enlistment and career personnel (97+ months TAFMS) approached 90 percent favorable response, with the second enlistment dropping only to 85 percent favorable response. Perceived utilization of talents and training was uniformly high across TAFMS groups. As experience increased, somewhat higher percentage trends were noted. For example, 88 percent of first-enlistment personnel believed their training was well utilized, while 94 percent among career personnel believed their training was well utilized.

TABLE 19

TO SATE TRACTION INDICES FOR EXPERIENCE GROUPS* (PERCENT MEMBERS RESPONDING)

	FIRST DA TSPORT 982XO PERSONG I (N=205)	SECOND ENLISTERNT 982X0 PRRSOMNEL (N=139)	CAREER SSZXO PERSONNEL (N=153)
EXPRESSED JOB INTEREST:			
DULL SO-SO INTERESTING	5 5 89	9 e 88	4 7 89
PERCEIVED UTILIZATION OF TALENTS:			
LITTLE OR NOT AT ALL FAIRLY WELL OR BETTER	14 86	10 90	9 %
PERCEIVED UTILIZATION OF TRAINING:			
LITTLE OR NOT AT ALL FAIRLY WELL OR BETTER	1.2 88	9 91	9
REENLIST-ENT INTENTIONS:			
PLAN TO RETIRE PLAN NOT TO REENLIST PLAN TO REENLIST	0 47 53	1 33 66	18 5 76

*COMPARABLYE SAMPLE UNAVABLA OF AB PO PPROFT OF NEDICAL OR DEVIAL CENTUR FIELD WAS CONDUCTED OF

COMPARISON OF SURVEY DATA TO AFR 39-1 SPECIALTY DESCRIPTIONS

To verify the accuracy and completeness of the 982X0 specialty descriptions, the survey data were compared to the January 1982 AFR 39-1 Specialty Descriptions. The descriptions are complete, well supported by survey data, and accurately portray the duties and responsibilities of dental laboratory personnel. No duties or responsibilities were omitted nor were any trends noted during analysis of the career ladder structure which would require changes in the specialty descriptions at this time.

MAJOR COMMAND ANALYSIS

Tasks and duties for personnel within the 982X0 career ladder were basically uniform across hosting major commands. Minor deviations existed where area laboratories were located, but this was more a function of base assignment of area laboratories than differences in major command utilization patterns.

ANALYSIS OF CONUS/OVERSEAS DIFFERENCES

A comparison of tasks performed by 5-skill level personnel assigned within the CONUS and those assigned overseas was made for this career ladder. Only minor differences were noted.

Table 20 lists the percent time spent on each job inventory duty for the CONUS and overseds group. CONUS personnel spent somewhat more time on the fabrication and pepair removable partial dentures (RPD) while overseas 98250 personnel spent somewhat more time on the fabrication and repair of orthodontic appliances as an as crowns, inlays, and fixed partial dentures. Such increases in time social by overseas personnel is probably due to overseas dental laboratories having responsibility for supporting dependent dental care.

Except for these minor differences, 98250 personnel are basically utilized in a similar manner throughout the Air Force. The overseas group were a more senior group averaging 91 months time in the career field and 87 months TAFMS, while the CONUS careep averaged 56 months in the career field and 70 months TAFMS.

TABLE 20
PERCENT TIME SPENT ON DUTIES BY 98250 CONUS AND OVERSEAS GROUPS

DUTY	DAFSC 98250 ASSIGNED CONUS (N=188)	DAFSC 98250 ASSIGNED OVERSEAS (N=67)
SUPERVISORY AND MANAGEMENT FUNCTIONS		
A ORGANIZING AND PLANNING B DIRECTING AND IMPLEMENTING C INSPECTING AND EVALUATING D TRAINING	3 4 2 4	4 4 3 2
ADMINISTRATIVE FUNCTIONS E PERFORMING ADMINISTRATIVE AND SUPPLY TASKS	4	4
TECHNICAL FUNCTIONS	•	·
F PERFORMING GENERAL LABORATORY TASKS	35	34
G FABRICATING AND REPAIRING COMPLETE DENTURES H FABRICATING AND REPAIRING REMOVABLE PARTIAL	4	4
DENTURES (RPD)	14	11
I FABRICATING CROWNS, INLAYS AND FIXED PARTIAL DENTURES	18	19
J FABRICATING CERAMIC PROSTHESES	8	8
K FABRICATING AND REPAIRING ORTHODONTIC APPLIANCES	4	5
L FABRICATING SPECIAL PROSTHESES	*	*

^{*}LESS THAN ONE PERCENT

SPECIAL ISSUES

During the survey process, information was gathered to address several items of concern to career ladder training managers. These items concerned supplemental training and instructor duty, special experience identifiers (SEIs), and laboratory experience and preference among 982X0 personnel. A summary of data regarding these special interest areas follows.

Inventory respondents were asked what SEIs they currently held and what SEIs they qualified for but had not yet received. Table 21 presents the consolidated responses by skill level. SEIs are a recent addition to the career ladder. Each requires a minimum of 48 months experience as a 982X0 to include 24 continuous months of work experience at either a base or area dental laboratory depending on the SEI. Few 982X0 personnel report holding SEIs though many qualify for them. More 7-skill level personnel hold SEIs (44 percent) than any other skill group while less than a fourth of 3-, 5-, or 9-skill level personnel have an SEI. Table 22 shows SEIs awarded across the functional job groups described in the CAREER LADDER STRUCTURE section of this report. Once again, few group members presently have any SEI.

Field personnel were asked to provide information on which type of dental laboratory they are assigned to, which type of laboratory they had the most work experience in, and which type of dental laboratory they preferred as a work environment. Table 23 displays their responses. The majority of 982X0 personnel were assigned to base dental laboratories. Only at the 9-and CEM skill level did the majority of personnel serve in area laboratories, where they were Dental Laboratory Managers or Superintendents. In addition, most dental laboratory technicians gained the bulk of their experience in base dental laboratories. Only 28 percent of 3-, 5-, and 7-skill level personnel had gained most of their laboratory experience in area laboratories. When asked which laboratory assignment was preferred, the base dental laboratory was chosen as moderately preferred at the 3- and 5-skill level (61 percent), and highly preferred at the 7-skill level (74 percent). At the senior 9-skill and CEM levels, an area laboratory was the preferred assignment (67 percent).

Career ladder personnel expressed strong interest in supplemental training, and only modest interest in instructor duty (see Table 24). Over three-fourths of respondents at all skill levels indicated interest in training courses covering orthodontics, and special prostheses. Instructor duty was of interest to fewer members; however, 29 percent of 3- and 5-skill level personnel and 33 percent of 7-skill level personnel would consider volunteering for such duty.

TABLE 21

SPECIAL EXPERIENCE IDENTIFIERS (SEIs) AMONG 982XO PERSONNEL (PERCENT RESPONDING)

		DUTY AFS	2
	98230/50 (N=392)	98270 (N=95)	98290/00 (N=9)
HOLD SEI	21	44	22
SE [AWARDED			
482 ADVANCED CHROME TECHNICIAN	3	8	G
483 ADVANCED CERAMIST/CERAMO METAL TECHNICIAN	2	30	11
484 ADVANCED FIXED PARTIAL DENTURE TECHNICIAN	5	23	11
SEI QUALIFIED BUT NOT AWARDED			
482 ADVANCED CHROME TECHNICIAN	67	25	•
483 ADVANCED CERAMIST/CERAMO METAL TECHNICIAN	6	17	
484 ADVANCED FIXED PARTIAL DENTURE TECHNICIAN	11	37	4. 4.

TABLE 22

SPECIAL EXPERIENCE IDENTIFIERS (SEIS) HELD BY FUNCTIONAL GROUP MEMBERS (PERCENT RESPONDING)

ADVANCED CHROME	BASE DENTAL LABORATORY CLUSTER	BRIDGE FABRICATORS CLUSTER	ORTHODONTIC FABRICATORS IJT	IAB MANAGERS IJT 5	RPD INSTR IJT	RPD FABRICATORS IJT	RPD SECTION NCOICS 36	CERAMIC PROSTHESES FABRICATORS
TECHNICIAN ADVANCED CERAMIT/ CERAMO METAL TECH	√	14	14	14	1	1	ı	17
484 ADVANCED FIXED PARTIAL	∞	18	14	18	•	,	1	14

*LESS THAN ONE PERCENT

TABLE 23

LABORATORY EXPERIENCE AND PREFERENCE (PERCENT RESPONDING)

	98230/50	98270	98290/00
	(N=392)	(N=95)	(N=9)
PRESENT LABORATORY ASSIGNMENT			
BASE DENTAL LABORATORY AREA DENTAL LABORATORY OTHER*	61	74	22
	34	19	67
	5	7	11
MOST EXPERIENCE			
BASE DENTAL LABORATORY AREA DENTAL LABORATORY OTHER*	57	72	89
	28	28	11
	15	0	0
LABORATORY PREFERENCE			
BASE DENTAL LABORATORY AREA DENTAL LABORATORY OTHER*	74	82	56
	20	16	44
	6	2	0

*MOST INVOLVED IN INSTRUCTOR DUTY

TABLE 24

INTEREST IN SUPPLEMENTAL TRAINING AND INSTRUCTOR DUTY (PERCENT RESPONDING)

	98230/50	98270	08290/00
	(N=392)	(N=95)	(N=9)
WOULD ATTEND:			
ORTHODONTIC COURSE	87	81	78
SPECIAL PROSTHESES COURSE	88	86	79
WOULD VOLUNTEER FOR DENTAL LABORATORY INSTRUCTOR DUTY	29	33	57

TRAINING ANALYSIS

Occupational survey data are a source of information which can assist training managers in the development of training programs relevant to the needs of personnel working in their first-assignment within a career ladder. Factors which can be used to evaluate training are the percent of first-job (1-24 months TAFMS) or first-enlistment (1-48 months TAFMS) members performing tasks, along with training emphasis and task difficulty ratings (as discussed in the TASK FACTOR ADMINISTRATION section). These factors were used to examine the Specialty Training Standard (STS) and the Plan of Instruction (POI) for course 3ABR98230. Training personnel from the School of Health Care Sciences, Sheppard AFB TX, matched inventory tasks to appropriate sections of the POI and STS. It was this matching upon which comparisons are based. A complete computer listing displaying the percent members performing, training emphasis ratings, and task difficulty ratings for each task statement, along with POI and STS matchings, was forwarded to the school for their use in any further detailed review of training documents.

Because a comparison of jobs performed by area versus base dental laboratory personnel was of primary concern in this survey, training data was examined separately for both types of dental laboratory airmen. Due to the highly specialized and narrow scope of area laboratory jobs, the survey inventory revealed few tasks performed by 30 percent or more of area laboratory personnel (reference Table 8 in ANALYSIS OF EXPERIENCE GROUPS (TAFMS) Section). Also, all tasks performed by 30 percent or more of area laboratory personnel are already part of STS and POI training requirements. Therefore, the data presented in this section will summarize total 982X0 personnel responses. A computer listing providing a detailed presentation of area versus base dental laboratory personnel task performance matched to both the STS and POI has been provided to training managers.

Training Emphasis (Tasks)

Table 25 lists the 25 tasks which raters believed required the most training emphasis for first-enlistment personnel in this career ladder. All of these tasks are performed by at least 30 percent of first-enlistment personnel; 13 of the tasks were performed by over 50 percent of this group. The majority of the tasks fell within the general laboratory duty category, with the remainder dealing with work on complete dentures, and fabrication of crowns, inlays, and fixed partial dentures. Five of the tasks were also rated as very difficult in comparison to other dental laboratory tasks. Present resident training for entry-level personnel includes instruction on all of these tasks ranked high in need of training emphasis for first-enlistment personnel.

Specialty Training Standard (STS)

A review of STS 982X0, dated November 1979, compared STS sections to survey data. Paragraphs containing general information or subject matter proficiency requirements were not evaluated. The STS provides thorough coverage of jobs performed by field personnel. Precisely because of this thoroughness, several highly specialized areas within the dental laboratory

specialist career ladder were performed by few first-enlistment or 5-skill level groups. These areas were fabrication and repair of RPDs, ceramic prostheses, and orthodontic appliances (see Table 26). These duties represent small slices of the overall work of 982X0 personnel and are most often performed by senior 5-skill and 7-skill level technicians. Even at the skill levels where these duties are predominant, the percentage of career ladder personnel performing them remains small. Career field managers should review these areas of the STS to reaffirm the appropriateness of code levels assigned for 5-skill level career ladder personnel. Training personnel may desire to review these STS paragraphs to consider the amount and depth of training appropriate for first-enlistment personnel.

Some technical tasks performed by 982X0 personnel were not referenced to the current STS (Table 27). These tasks should be reviewed by subject-matter and training specialists to determine if they should be included during the next STS revision.

Plan Of Instruction (POI)

Based on previously mentioned assistance from technical school subject-matter specialists in matching inventory tasks to the 3ABR98230 POI, dated October 1981, a computer product was generated displaying the results of the matching process. Information furnished includes training emphasis (TE) and task difficulty (TD) ratings, as well as percent members performing data for first-job (1-24 months TAFMS) and first-enlistment (1-48 months TAFMS) personnel.

Table 28 provides a view of POI-matched inventory tasks which were performed by less than 30 percent of first-enlistment personnel. Some general laboratory tasks involving master casts, heat cure methods, and use of acrylic resin veneer were included among these tasks; but, the majority of tasks fell within the range of the narrow highly specialized jobs of fabrication and repair of RPDs, ceramic protheses, orthodontic appliances, as well as crowns, inlays, and fixed partial dentures. As discussed in both the CAREER LADDER STRUCTURE and ANALYSIS OF EXPERIENCE GROUPS (TAFMS) portions of this report, small percentages of 982X0 personnel perform these duties within the career ladder at all skill levels. Tasks within the Administrative and Supply duty area included six which received very low training emphasis ratings, below average task difficulty ratings and were performed by less than 10 percent of first-enlistment personnel. Training managers should review POI blocks and matched tasks appearing in Table 28 to assess the appropriateness of formal resident instruction for all first-enlistment personnel in these specialized areas.

TABLE 25

TASKS RATED HIGHEST IN TRAINING EMPHASIS FOR 982X0 PERSONNEL

TABLE 26

TASKS PERFORMED BY LESS THAN 30 PERCENT OF 982XO PERSONNEL (SUGGESTED FOR STS CODE LEVEL REVIEW)

PERCENT MEMBERS

					PERFORMING	9
TASKS		STS	TRAINING EMPHASIS	TASK	FIRST	TOTAL 90250
F127	BLOCK OUT AND RELIEVE MASTER CASTS	2 b	4.42	4 68	77	76
F176	STAIN DENTURE BASES	4	3 5 8	07 5	· -	1.
F165	RELINE COMPLETE OR PARTIAL DENTURES USING HEAT CURE (FLASK) METHOD	3	4.56	96.4	22	76
F168	REPAIR FRACTURED OR BROKEN APPLIANCES USING HEAT CURE METHOD	2P	3.70	4.83	14	17
H222	NSIS	la	3.21	5.19	5	'n
F137	DUPLICATE MASTER CASTS	1a	4.54	4.55	12	16
H212	POUR AND TRIM REFRACTOR	1P	4.07	97.4	,	80
H224	WAX DIP REFRACTORY CAST	16	3.47	3.27	S	7
H202		16	3.40	3.53	•	9
H223	WAX AND ADAPT COMPONENTS OF FRAMEWORK PATTERNS ON REFRACTORY CASTS FOR RPDs	2P	4.42	5.85	13	13
H221	TRANSFER DESIGNS FROM MASTER CASTS TO REFRACTORY CASTS	2 p	4.00	4.76	12	13
H209		11	4.16	4.02	∞	6
H219	_	1P	3.88	4.62	13	13
1205	INVEST WAX PATTERNS FO	1P	3.84	4.95	2	~
H206	MARK INVESTMENT MOLDS	1P	3.47	3.20	ç	7
H199		16	3.16	5.10	9	6
H220		2P	3.95	4.12	12	13
H203	_	2p	4.84	5.56	14	16
H216		1P	4.42	5.45	17	56
H217	SOLDER METAL FRAMEWORKS OF RPDs USING OXYGEN-GAS TORCHES	1 b	2.30	6.03	•	•
F177	TRANSFER DESIGN ONTO MASTER CASTS FROM DIAGNOSTIC CASTS FOR OTHER THAN					
		2 b	2.77	98.4	1	11
1228	-	2p	3.30	76.7	10	17
1245	HEAT TREAT GOLD ALLOY CASTINGS	5 p	2.93	4.32	01	19
F173	SHAPE AND ADAPT HANUFACTURED ACRYLIC RESIN VENEER	2p	3.21	5.04	15	23
1253	POLISH ACRYLIC FACINGS OR PONTICS	2 P	3.53	4.23	15	20
5221	APPLY AND FIRE OVER-CLAZE TO MANUFACTURED PROCELAIN PONTICS OR FACINGS	5 P	2.81	4.81	• •	14
1071	SOLDER FIXED PARTIAL DENTURE COMPONENTS USING OVENS	2 b	4.16	5.50	80	21

TABLE 26 (CONTINUED)

TASKS PERFORMED BY LESS THAN 30 PERCENT OF 982X0 PERSONNEL (SUGGESTED FOR STS CODE LEVEL REVIEW)

					PERCENT MEMBERS PERFORMING	MBERS
TASKS		STS	TRAINING	TASK DIFFICULAY	FIRST	TOTAL 90250
1230	PARRICATE ACRETIC DECIN VENERE HOTIC DRY HEAT CHRED ACRELIC TECHNIOUS	2p	2.95	5.21	7	5
5113	CTAIN ACRUIT TETH ISING DRY HEAT CIRED ACRUIT CHECKNIGHE	7 P	2.30	5.39	m	9 0
1242		4	4.93	6.35	91	25
1275		1P	4.61	5.86	15	26
1267	5 -	q!	1.61	6.21	7	15
1777		1b	3.77	5.32	14	21
F126	RIAST METAL SUBSTRUCTURES WITH ALLMININ OXIDE	1P	2.56	3.29	19	22
1276		1P	3.30	90.4	16	58
1278	FIRE OPAGIE PORCELAIN	1Þ	4.14	4.76	17	29
1777	FIRE BODY OR INCISAL PORCELAIN	1b	4.02	4.82	17	29
1279	FIRE PORCEIAIN TO MATURITY (NATURAL GLAZE)	1b	3.93	5.12	15	28
1274	CONTOIR FIRED PORCELAIN	1b	4.23	6.43	16	58
1269	APPLY BODY OR INCISAL PORCELAIN	1P	3.77	6.35	17	29
3288	STAIN PORCELAIN RESTORATIONS USING EXTRINSIC STAINS (SURFACE)	1Þ	3.28	6.50	12	57
1268	APPLY AND FIRE OVER-GLAZE TO CERAMIC PROSTHESES	1P	2.74	5.36	13	23
.127	APPLY OPAGIE PORCELAIN	1b	3.63	5.10	17	29
1287	REPAIR OR REPLACE DAMAGED CERAMIC RESTORATIONS	1P	2.84	6.36	7	91
K297	FABRICATE FIXED SPACE MAINTAINERS	la	2.72	5.71	15	21
K295	DESIGN ORTHODONTIC APPLIANCES ACCORDING TO DENTAL OFFICER'S PRESCRIPTION	la	2.47	5.76	74	29
K305	PERFORM SOLDERING PROCEDURES ON ORTHODONIC APPLIANCES	13	2.35	5.83	12	17
K300	FARRICATE REMOVABLE SPACE HAINTAINERS	la	2.23	5.49	14	22
K299	FABRICATE LINGUAL ARCHES	Ja	1.67	6.17	6	13
H210	PERFORM PREVENTIVE MAINTENANCES ON RPD EQUIPMENT	2 p	4.39	4.55	21	20

TABLE 27

TASKS NOT REFERENCED TO STS 982X0*

TASKS	
F140	FABRICATE NIGHT GUARDS
H204	FINISH AND POLISH RPDs AFTER CLINICAL ADJUSTMENTS
	CHECK FINISHED CASTING ON DIE FOR ACCURATE FIT
1263	WAX-UP OR CARVE PATTERNS FOR INLAYS
F153	MOUNT CASTS ON ARTICULATORS USING HARD MATERIAL MOUNTING INDEXES
H198	BEAD MAXILLARY CAST
H200	CHECK FINISHED FRAMEWORK ON DUPLICATE MASTER CASTS FOR ACCURATE FIT
F154	PACK CASES FOR SHIPMENT
H214	PREPARE CASTS FOR CORRECTED CAST TECHNIQUES
J282	PERFORM ULTRASONIC CLEANING PROCEDURES OF METAL SUBSTRUCTURES
J281	PERFORM ULTRASONIC CLEANING PROCEDURES OF CONTOURED PORCELAI SURVACES
1256	REPAIR METAL CROWNS
	UNPACK CASES RECEIVED FROM OTHER BASES
G184	ADAPT PREFABRICATED PALATAL DENTURE COMPONENTS ONTO CASTS
	CHECK WAX ADDITIVE TECHNIQUE WITH DISCLOSING MEDIUM
	REPAIR ACRYLIC FACINGS ON VENEER CROWNS
	REPAIR BROKEN ORTHODONTIC APPLIANCES (ACRYLIC)
	ADAPT PALATAL RELIEF MATERIALS ONTO CAST
J273	CAST METAL SUBSTRUCTURES USING INDUCTION CASTING MACHINE
G193	STABILIZE BASEPLATES WITH SOFT LINER
1260	TRIM DIES
J289	STAIN PORCELAIN RESTORATIONS USING INTRINSIC STAINS (INTERNAL)
H208	PAINT CAST SEALER
J290	STAIN PORCELAIN RESTORATIONS USING OPAQUE MODIFIERS
G183	ADAPT PREFABRICATED DENTURE BUCCAL (GINGIVAL) COMPONENTS ONTO CASTS
K304	PERFORM ORTHODONTIC TRIM OF DIAGNOSTIC CASTS
I226	APPLY DIE SPACER TO DIE
G192	SPRUE COMPLETE DENTURE WAX PATTERNS WHEN USING FLUID RESIN TECHNIQUES
K302	FINISH AND POLISH ORTHODONTIC DIAGNOSTIC CASTS
K309	REPAIR BROKEN ORTHODONTIC APPLIANCES (METAL PORTIONS)
G194	STABILIZE BASEPLATES WITH ZINC OXIDE EUGENOL (ZNOE) IMPRESSION BASE
	APPLY METAL CONDITIONERS
H218	SPRUE RPD DENTURE BASES WHEN USING FLUID RESIN TECHNIQUE
	POUR ORTHODONTIC IMPRESSION USING ORTHODONTIC BASE FORMER
L311	FABRICATE CASTS FROM IMPRESSIONS FOR FACE MASKS
	DEPLATE (STRIP) CROWNS OR INLAYS
	FABRICATE SWING-LOCK RPDs
	GOLD PLATE CROWN OR FIXED PARTIAL DENTURES
1234	CONSTRUCT ELECTROPLATED DIES

TABLE 27 (CONTINUED)

TASKS NOT REFERENCED TO STS 982X0*

1232	CONSTRUCT AMALGAM DIES
L318	FABRICATE INCLINED PLANE
D86	DEVELOP TRAIN NG AIDS
K307	PRE! RE KESLING SET UPS
	FABRICATE EAR PLUGS
1233	CONSTRUCT DIES USING CERAMIC DIE SYSTEM
	FABRICATE BURN STENTS
	FABRICATE MANDIBULAR GUIDE FLANGE
E106	MAINTAIN FEDERAL SUPPLY CATALOG AND CHANGE BULLETINS
E105	MAINTAIN AF MEDICAL MATERIEL LETTER (AFMML) FILES
	PREPARE LESSON PLANS
	FABRICATE FACIAL MOULAGE
	CONDUCT STAFF MEETINGS
	FABRICATE RADIATION STENTS
	FABRICATE EAR, NOSE, OR EXTREMITY PROTHESES
	MAINTAIN MANPOWER AUTHORIZATION DOCUMENTS
	FABRICATE GLOSSECTOMY APPLIANCES
L321	FABRICATE PALATAL LIFTS
L313	FABRICATE CRANIAL IMPLANTS
L320	FABRICATE OBSTETRICS/GYNECOLOGY (OB/GYN) STENTS
L322	FABRICATE PECTUS-EXCAVATUM IMPLANTS
D76	CONDUCT RESIDENT COURSE CLASSROOM TRAINING
D85	DEVELOP RESIDENT COURSE OR CAREER DEVELOPMENT COURSE (CDC)
	CURRICULUM MATERIALS
L323	FABRICATE PLASTIC SURGERY IMPLANTS (SILICONE)

TASKS

^{*}SUPERVISORY AND MANAGERIAL TASKS HAVE BEEN OMITTED.

TABLE 28

POI BLOCKS REFLECTING PERFORMANCE BY LESS THAN 30 PERCENT OF FIRST-ENLISTMENT PERSONNEL

					PERCEN	PERCENT MEMBERS PERFORMING
POI REFERENCES BLOCK-UNIT	TASKS		TRAINING EMPHASIS	TASK	FIRST	FIRST
16; 18; 1138;						
115	F127		4.42	7.68	54	57
	F176		3.58	5.49	6	
131; 116	F137	DUPLICATE MASTER CASTS	4.54	4.55	14	: 72
132	F165	RELINE COMPLETE OR PARTIAL DESTURES USING HEAT CURE (FLASK) METHOD	4.56	96.4	18	22
134	F168	REPAIR FRACTURED OR BROKEN APPLIANCES USING HEAT CURE METHOD	3.70	4.83	15	14
136	£177	ESIGN ONTO MASTER				
,		-	2.17	98.7	1	7
112	H207	ORIENTATE CASTS OF RPDs	3.09	3.74	S	6
11.5A	H222	TRANSFER SURVEY AND DESIGN FROM DIAGNOSTIC TO MASTER CASTS FOR RPDs	3.21	5.19	2	2
	H213		3.16	4.24	٣	4
114; 1117A	F173	SHAPE AND ADAPT MANUFACTURED ACRYLIC RESIN VENEER	3.21	5.04	7	15
116	F212	POUR AND TRIM REFRACTORY CASTS	4.07	97.7	∞	7
117	H224		3.47	3.27	2	~
•	H202	DEHYDRATE REFRACTORY CASTS	3.40	3.53	9	9
118	H223	WAX AND ADAPT COMPONENTS OF FRAMEWORK PATTERNS ON REFRACTORY CASTS				
		FOR RPDs	4.42	5.85	13	
***	H221		4.00	4.76	12	~
119	HZ19	SPRUE WAX PAITERNS FOR RPDs	3.88	4.62	12	
1198	H209	PERFORM PAINT-ON PROCEDURES FOR INVESTMENTS	4.16	4.02	7	30
	1202	INVEST WAX PATTERNS FOR METALLIC DENTURE BASES OR RPDs	3.84	4.95	5	'n
44,00	0071	MAKE INVESTMENT MOLDS WITH INGOT SIZE	3.47	3.20	4	~
11108	H199	CAST METALLIC DENTURE BASES OR PARTIAL DENTURE FRANEWORKS	3.16	5.10	4	9
1111	H203	FINISH AND POLISH DENTAL ALLOYS FOR RPDs	78.7	5.56	13	71
1113	H220	TI-LECTRO POLISH CASTINGS	3.95	4.12	15	12
1113	47.16	SOLDER METAL FRAMEWORK OF RPDS ELECTRICALLY	4.42	5.45	16	1.7
1117	H21/		2.30	6.03	0	-31
111/	147N	FABRICATE FIXED SPACE MAINTAINERS	2.72	5.71	σ	15
9111	2007	PERFORM SULDERING PROCEDURES ON ORTHODONTIC APPLIANCES	2.35	5.83	6	7.1
1110	1060	TELL DIES ONTHODONIIC APPLIANCES ACCORDING TO DENTAL OFFICERS PRESCRIPTION	2.47	5.76	1.7	24
	1200	ועום חובס	2.79	5.82	∞	10

TABLE 28 (CONTINUED)

POI BLOCKS REFLECTING PERFORMANCE BY LESS THAN 30 PERCENT OF FIRST-ENLISTMENT PERSONNEL

					PERCENT PERFC	PERCENT MEMBERS PERFORMING
POI REFERENCES BLOCK-UNIT	TASKS		TRAINING EMPHASIS	TASK	FIRST JOB	FIRST
11128	E117		2.21	3.79	22	21
III4A	E109		4.51	89.7	13	16
	E110	MAINTAIN TOOTH ORDER CONTRACTS	3.26	3.85	7	=======================================
1114C	E120					•
		AF FORM 1801)	1.51	3.83	7	2
	E116	ENTRIES ON	1.44	4.03	•	
	E112	ENT	1.30	4.42	~	7
	E115	ENTRIES ON	.93	4.12	0	7
1115A	E118	ENTR				
		(AF FORM 520)	4.26	86.4	15	21
	E114	MAKE ENTRIES ON INVENTORY ADJUSTMENT VOUCHER FORMS (AF FORM 85)	1.33	4.28	7	7
	E119	MAKE ENTRIES ON REPORT OF SURVEY FORMS (DD FORM 200)	1.23	4.32	_	2
9111	1228	CAST ALLOYS ELECTRICALLY FOR FIXED PROSTHESES	3.30	76.7	~	16
III6B	1245	_	2.93	4.32	\$	10
1117	1225		2.81	4.81	\$	9
1117A	1264		5.42	6.54	23	29
	1246		4.63	5.08	19	26
1119	1227	_	4.26	5.19	16	22
	1238	ELIMINATE WAY OR OTHER LUTING MATERIALS FROM SOLDERING INDEX PRIOR TO				
12101		SOLDERING	3.67	3.32	13	22
1119A	1258	SOLDER FIXED PARTIAL DENTURE COMPONENTS USING GAS-AIR TORCHES	5.00	5.76	15	22
	1257	~	4.16	5.50	7	∞
21112	1242		4.05	5.74	9	10
21112	1240	FABRICATE ACRYLIC RESIN VENEER USING SELF-CURING ACRYLIC TECHNIQUE	2.74	5.08	5	9
A	1253	POLISH ACRYLIC FACINGS OR PONTICS	3.53	4.23	12	15
11113A; 14	F175		2.30	5.39	7	m
11114	1239	FABRICATE ACRYLIC RESIN VENEER USING DRY HEAT CURED ACRYLIC TECHNIQUE	2.95	5.21	7	-3
IVI	3275	CUT BACK SUBSTRUCTURE WAX PATTERNS FOR PORCELAIN FUSED TO METAL				
1103	10.30	KESTORATIONS	4.61	5.86	20	15
CAT	7/76	CASI METAL SUBSTRUCTURES USING GAS AND OXYGEN	3.77	5.32	1.2	14

TABLE 28 (CONTINUED)

POI BLOCKS REFLECTING PERFORMANCE BY LESS THAN 30 PERCENT OF FIRST-ENLISTMENT PERSONNEL

PERCENT MEMBERS PERFORMING	FIRST	19		17.	91 %	3 Z Z	12 10	
PERCE	FIRST	18	22	2 :	. 6	on ∞	9 6	
	TASK DIFFICULTY	3.29	4.76	6.35	90.7	6.43	6.50	
	TRAINING EMPHASIS	2.56	4.14	3.77	3.63 3.30	4.23	3.28	
		TASKS					12/4 FIRE PORCELAIN TO MATURITY (NATURAL GLAZE) 12/79 FIRE PORCELAIN RESTORATIONS USING EXTRINGIST EVAIL PORTERY	
5 1	POI REFERENCES	BLOCK-UNIT	174	IV6			1V7 IV8	6AI

COMPARISON OF CURRENT SURVEY TO PREVIOUS SURVEY

Results of this survey were compared to those of Occupational Survey Report AFPT 90-982-330, Dental Laboratory career ladder, dated June 1978. Sample sizes were similar, with 532 respondents comprising the previous survey group and 498 respondents in the current sample.

Job groups identified were basically the same. There were, however two minor variations. The previous survey identified one group of RPD Fabricators; this survey identified two groups; one RPD Fabricator group, and a more senior group of RPD personnel who had supervisory responsibilities, RPD Section NCOICs. The other minor variation from the previous survey was among instructors. In 1978, School of Health Care Sciences (SHCS) instructors grouped together as a component of the large cluster of base dental laboratory personnel. The 1981 data found SHCS instructors grouping in two subsets based on technical tasks taught: one group of instructors grouped with base dental laboratory personnel and the remaining SHCS instructors who taught RPD tasks grouped as an independent job type among other RPD personnel.

The 1981 survey was unique from the 1978 survey because each respondent provided information on laboratory assignment and preference. This information allowed a clearer comparison of jobs at base and area laboratories. Survey data indicated area laboratory jobs were highly specialized and narrow in scope of technical tasks performed. Base dental laboratory jobs made up two-thirds of career ladder jobs and were more diverse, with incumbents performing a larger number of tasks.

Both surveys revealed job interest and perceived utilization of talents and training of survey respondents to be quite high. Other background data, such as average paygrade, DAFSC, TAFMS, and time in career field, were similar between surveys.

Overall, the 982X0 career ladder has remained relatively unchanged in terms of career ladder structure and personnel makeup. There is no evidence in the 1981 data to suggest that this career ladder is undergoing any major changes or shifts in emphasis.

IMPLICATIONS

The primary purpose of this survey was to determine whether job differences between 982X0 personnel assigned to base dental laboratories and those assigned to area laboratories were sufficiently large to justify channelized technical training. Analysis of the career ladder structure revealed base dental laboratory personnel performed a broad range of tasks and made up approximately 65 percent of career ladder personnel. Sixty-four percent of first-enlistment personnel were assigned to a base dental laboratory for their first job. Area laboratory personnel performed more specialized jobs composed of a narrow range of tasks. Thirty-seven percent of first-enlistment personnel were working in an area laboratory. Base and area laboratory personnel grouped together in some fabrication tasks (crowns and bridges) and at senior supervisory levels but, generally, base and area laboratory airmen performed different jobs. Channelized training could be useful if personnel projected for initial assignment to an area dental laboratory could be identified early. Survey data, however, did reveal that the majority of career field personnel spent their first-enlistment in a base dental laboratory.

A review of supporting STS and POI documents underscored the specialized career ladder jobs performed by few first-enlistment and 5-skill level groups. Career field managers should review these STS and POI areas to reaffirm the appropriateness of code levels for 5-skill level personnel. Training personnel may desire to review these areas to consider the amount and depth of training appropriate for first-enlistment personnel. The present STS and POI supports first-enlistment training requirements for both area and base dental laboratory personnel.

APPENDIX A

REPRESENTATIVE TASKS FOR CAREER LADDER STRUCTURE GROUPS

BASE DENTAL LABORATORY PERSONNEL CLUSTER (GRP035)

TASKS		PERCENT MEMBERS PERFORMING (N=259)
	FINAL FINISH AND POLISH ACRYLIC PRODUCTS	97
F151		
	TECHNIQUES	97
F149	KEY OR SCORE CASTS	97
F157	PERFORM GENERAL HOUSEKEEPING TASKS	96
	PREPARE CASTS OR MATRICES FOR DENTURE REPAIR	95 95
	POUR AND TRIM DIAGNOSTIC CASTS	95 25
	POUR AND TRIM MASTER CASTS	9 5
	PAINT MOLDS WITH TINFOIL SUBSTITUTES	95
F162		95
F160	MATERIAL POP FLACKING	95 94
	PREPARE CASTS FOR FLASKING FLASK PROSTHETIC APPLIANCES FOR PROCESSING	94 94
F147 F169	REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING	94
r 109	ACRYLICS	94
E170	SELECT ARTIFICIAL TEETH	93
	HEAT CURE ACRYLIC APPLIANCES	93
	CLEAN AND PREPARE MOLDS FOR PACKING	93
	DEFLASK PROCESSED APPLIANCES	93
F170	REPLACE BROKEN OR MISSING ARTIFICIAL TEETH ON COMPLETE OR	73
F170	PARTIAL DENTURE BASES	93
E1/.2	FABRICATE SOFT MOUTH GUARDS	93
	FABRICATE OR ADAPT BASEPLATES	92
F141	FABRICATE OCCLUSION RIMS	92
G186	ARRANGE ARTIFICIAL TEETH IN WAX FOR CENTRIC OCCLUSION	91
	FABRICATE CUSTOM IMPRESSION TRAYS	90
	WAX-UP AND CONTOUR DENTURE BASES	90
F129	BOIL OUT WAX FROM MOLDS	90
G191	REMOUNT CASTS	90
H196	ARRANGE ARTIFICIAL TEETH FOR RPDs	89
F131	CHARACTERIZE (FESTOON) DENTURE BASES	89
F166	RELINE COMPLETE OR PARTIAL DENTURES USING SELF-CURE (JIG)	0,
	METHOD	88
G189	PERFORM SELECTIVE GRINDING PROCEDURES ON COMPLETE DENTURES	
F140	FABRICATE NIGHT GUARDS	88

TABLE A2 BASE DENTAL LABORATORY WORKERS (GRP112)

TASKS		PERCENT MEMBERS PERFORMING (N=162)
F146	FINAL FINISH AND POLISH ACRYLIC PRODUCTS	99
F133	CLEAN AND PREPARE MOLDS FOR PACKING	99
F148	HEAT CURE ACRYLIC APPLIANCES	99
F161	FINAL FINISH AND POLISH ACRYLIC PRODUCTS CLEAN AND PREPARE MOLDS FOR PACKING HEAT CURE ACRYLIC APPLIANCES PREPARE CASTS OR MATRICES FOR DENTURE REPAIR POUR AND TRIM DIAGNOSTIC CASTS POUR AND TRIM MASTER CASTS POUR AND TRIM MASTER CASTS	99
F158	POUR AND TRIM DIAGNOSTIC CASTS	98
F159	POUR AND TRIM MASTER CASTS	98
F157	PERFORM GENERAL HOUSEKEEPING TASKS	98
G186	ARRANGE ARTIFICIAL TEETH IN WAX FOR CENTRIC OCCLUSION	
F147	FLASK PROSTHETIC APPLIANCES FOR PROCESSING	98
F134	DEFLASK PROCESSED APPLIANCES	98
F156	PAINT MOLDS WITH TINFOIL SUBSTITUTES	98
F160	PREPARE CASTS FOR FLASKING	98
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	
	TECHNIQUES	98
F162	PREPARE FRACTURED AREAS OF DENTURES TO RECEIVE NEW ACRYLIC	
	MATERIAL	98
F141	FABRICATE OCCLUSION RIMS	98
	KEY OR SCORE CASTS	98
F169	REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING	
	ACRYLICS	98
F170	REPLACE BROKEN OR MISSING ARTIFICIAL TEETH ON COMPLETE OR	
	PARTIAL DENTURE BASES	98
F142		98
	ARRANGE ARTIFICIAL TEETH FOR RPDs	97
F172	SELECT ARTIFICIAL TEETH	97
	REMOUNT CASTS	97
	FABRICATE SOFT MOUTH GUARDS	96
	WAX-UP AND CONTOUR DENTURE BASES	96
F139	FABRICATE CUSTOM IMPRESSION TRAYS	96
F131	CHARACTERIZE (FESTOON) DENTURE BASES	95
F166	RELINE COMPLETE OR PARTIAL DENTURES USING SELF-CURE (JIG)	
	METHOD	95
F140	FABRICATE NIGHT GUARDS	95
F129	BOIL OUT WAX FROM MOLDS	94
G189	PERFORM SELECTIVE GRINDING PROCEDURES ON COMPLETE DENTURES	94

BASE DENTAL LABORATORY NCOICs (GRP109)

TASKS		PERCENT MEMBERS PERFORMING (N=17)
F146	FINAL FINISH AND POLISH ACRYLIC PRODUCTS	100
F131	CHARACTERIZE (FESTOON) DENTURE BASES	100
G186	ARRANGE ARTIFICIAL TEETH IN WAX FOR CENTRIC OCCLUSION	100
F132	CHARACTERIZE TOOTH ARRANGEMENTS	100
F169	REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING	100
E1 70	ACRYLICS	100
F179	WAX-UP AND CONTOUR DENTURE BASES	100 100
G189	PERFORM SELECTIVE GRINDING PROCEDURES ON COMPLETE DENTURES	100
F156	PAINT MOLDS WITH TINFOIL SUBSTITUTES	100
F133 F162	CLEAN AND PREPARE MOLDS FOR PACKING PREPARE FRACTURED AREAS OF DENTURES TO RECEIVE NEW ACRYLIC	100
F 102	MATERIAL	100
F172	SELECT ARTIFICIAL TEETH	100
G185	ARRANGE ARTIFICIAL TEETH IN WAX FOR BALANCED ECCENTRIC	100
0103	OCCLUSION	100
F155	PACK FLASKED APPLIANCES	100
	DEFLASK PROCESSED APPLIANCES	100
F148	HEAT CURE ACRYLIC APPLIANCES	100
F170	REPLACE BROKEN OR MISSING ARTIFICIAL TEETH ON COMPLETE OR	
	PARTIAL DENTURE BASES	100
F149	KEY OR SCORE CASTS	100
F160	PREPARE CASTS FOR FLASKING	100
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	
	TECHNIQUES	100
F143	FABRICATE SOFT MOUTH GUARDS	100
F167	REMOVE STONE TEETH FROM CASTS	100
G188	PERFORM PREVENTIVE MAINTENANCE ON EQUIPMENT USED ON COMPLETE	
	DENTURES	100
F171	SANDBLAST OR SHELLBLAST APPLIANCES	100
A9	ESTABLISH PERFORMANCE STANDARDS	94
F161	PREPARE CASTS OR MATRICES FOR DENTURE REPAIR	94
F166	RELINE COMPLETE OR PARTIAL DENTURES USING SELF-CURE (JIG)	
	METHOD	94
F157		94
F147	FLASK PROSTHETIC APPLIANCES FOR PROCESSING	94
F129	BOIL OUT WAX FROM MOLDS	94
P. I. 4 X	KIIMINATE BOSTOIVE CTOME MODULES	0.4

TABLE A4

BASE DENTAL LABORATORY FABRICATION AND REPAIR PERSONNEL (GRP064)

<u>TASKS</u>		PERCENT MEMBERS PERFORMING (N=61)
1261	WAX-UP OR CARVE PATTERNS FOR CROWNS	100
1259		
	DENTURES	100
1248	LUBRICATE DIES	100
1247	INVEST WAX PATTERNS FOR CROWNS, INLAYS, AND FIXED PARTIAL	
	DENTURES	98
1249		98
	OCCLUDE CASTS FOR INLAYS, CROWNS, OR FIXED PARTIAL DENTURES	
	CHECK FINISHED CASTING ON DIE FOR ACCURATE FIT	97
I 266		
	SYSTEM	97
F149		97
	WAX-UP OR CARVE PATTERNS FOR FIXED PARTIAL DENTURES	95
1243	FINISH AND POLISH DENTAL ALLOYS FOR CROWNS, INLAYS, OR FIXED	
	PARTIAL DENTURES	95
1252		
	FIXED PARTIAL DENTURES	95
	DEOXIDIZE (PICKLE) GOLD ALLOYS	95
	POUR MASTER CASTS WITH REMOVABLE DIES	93
	PERFORM GENERAL HOUSEKEEPING TASKS	93
F151		93
E1/4	TECHNIQUES FINAL FINISH AND POLICE ACRES TO PRODUCTS	93
	FINAL FINISH AND POLISH ACRYLIC PRODUCTS CONSTRUCT STONE DIES	93 92
1255		92
1231	DENTURE EQUIPMENT	92
E118	MAKE ENTRIES ON RECORD OF DENTAL PRECIOUS METALS AND ALLOYS	92
5110	FORMS (AF FORM 520)	92
F161	PREPARE CASTS OR MATRICES FOR DENTURE REPAIR	92
	BURN OUT INVESTED WAX OR PLASTIC PATTERNS	90
	POUR AND TRIM MASTER CASTS	90
	REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING	70
,	ACRYLICS	90
F162		,,
	MATERIAL	90
F158	POUR AND TRIM DIAGNOSTIC CASTS	89
	SOAK CASTS IN SLURRY WATER	89
	PAINT MOLDS WITH TINFOIL SUBSTITUTES	89
	CAST CONVENTIONAL GOLD ALLOYS USING GAS AND AIR	87
	DEVEST (RECOVER) CASTINGS	87

APPRENTICE LABORATORY WORKERS (GRP038)

TASKS		PERCENT MEMBERS PERFORMING (N=10)
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	
	TECHNIQUES	100
F125	BEAD AND BOX IMPRESSIONS	100
F158	POUR AND TRIM DIAGNOSTIC CASTS	90
F159	POUR AND TRIM MASTER CASTS	90
F139	FABRICATE CUSTOM IMPRESSION TRAYS	90
F157	PERFORM GENERAL HOUSEKEEPING TASKS	90
F174	SOAK CASTS IN SLURRY WATER	90
	PREPARE SLURRY WATER	90
F147	FLASK PROSTHETIC APPLIANCES FOR PROCESSING	90
F156	PAINT MOLDS WITH TINFOIL SUBSTITUTES	90
	KEY OR SCORE CASTS	90
F142	FABRICATE OR ADAPT BASEPLATES	90
F181		80
	FABRICATE SOFT MOUTH GUARDS	80
F161	PREPARE CASTS OR MATRICES FOR DENTURE REPAIR	80
	PREPARE CASTS FOR FLASKING	80
F141	FABRICATE OCCLUSION RIMS	80
F163	PREPARE IMPRESSIONS FOR POURING DIAGNOSTIC CASTS OR MASTER	
	CASTS	70
	HEAT CURE ACRYLIC APPLIANCES	70
	BOT OUT WAX FROM MOLDS	70
F146	FINAL FINISH AND POLISH ACRYLIC PRODUCTS	70
F144	FABRICATE SURGICAL STENTS AND SPLINTS (TEMPLATES)	70
F162	PREPARE FRACTURED AREAS OF DENTURES TO RECEIVE NEW ACRYLIC	
	MATERIAL	70
F155		60
F169	REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING	
	ACRYLICS	60
F170	THE PERSON OF TH	
	PARTIAL DENTURE BASES	60
	DEFLASK PROCESSED APPLIANCES	60
	SELECT ARTIFICAL TEETH	60
	FABRICATE NIGHT GUARDS	50
F133	CLEAN AND PREPARE MOLDS FOR PACKING	50

CROWN AND BRIDGE FABRICATION PERSONNEL CLUSTER (GRP041)

TASKS		MEMBERS PERFORMING (N=80)
	WAX-UP OR CARVE PATTERNS FOR CROWNS	97
	CHECK FINISHED CASTING ON DIE FOR ACCURATE FIT	97
1259	SPRUE WAX PATTERNS FOR CROWNS, INLAYS, AND FIXED PARTIAL DENTURES	96
1249	MOUNT CASTS FOR INLAYS, CROWNS, OR FIXED PARTIAL DENTURES	96
	INVEST WAX PATTERNS FOR CROWNS, INLAYS, AND FIXED PARTIAL DENTURES	95
10/0		
1248	LUBRICATE DIES	94
1250	OCCLUDE CASTS FOR INLAYS, CROWNS, OR FIXED PARTIAL DENTURES WAX-UP OR CARVE PATTERNS FOR FIXED PARTIAL DENTURES	94
1262 1243	FINISH AND POLISH DENTAL ALLOYS FOR CROWNS, INLAYS, OR	
1252	FIXED PARTIAL DENTURES PERFORM SELECTIVE GRINDING PROCEDURES ON CROWNS, INLAYS, AND	
1264	FIXED PARTIAL DENTURES WAX-UP OR CARVE PATTERNS FOR VARIOUS TYPES OF PONTICS OR	90
	FACINGS	84
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	
	TECHNIQUES	82
1251	PERFORM PREVENTIVE MAINTENANCE ON CROWN AND FIXED PARTIAL	
	DENTURE EQUIPMENT	81
1229	CAST CONVENTIONAL GOLD ALLOYS USING GAS AND AIR	80
	PERFORM GENERAL HOUSEKEEPING TASKS	80
	DESPRUE CASTINGS	79
	DEOXIDIZE (PICKLE) GOLD ALLOYS	79
1236 1246	INVEST FIXED PARTIAL DENTURE COMPONENTS OR CROWNS FOR	13
1240	SOLDERING	79
T 0 0 0		19
1238	ELIMINATE WAX OR OTHER LUTING MATERIALS FROM SOLDERING	77
7007	INDEX PRIOR TO SOLDERING	77
J275	ASSEMBLE FIXED PARTIAL DENTURE COMPONENTS FOR SOLDERING CUTBACK SUBSTRUCTURE WAX PATTERNS FOR PORCELAIN FUSED TO	77
3273	METAL RESTORATIONS	76
1265	WAX-UP PATTERNS USING WAX ADDITIVE TECHNIQUE	7 4
	SOLDER FIXED PARTIAL DENTURE COMPONENTS USING GAS-AIR	7 🕶
1236	TORCHES	74
J278	FIRE OPAQUE PORCELAIN	71
	PERFORM ULTRASONIC CLEANING PROCEDURES OF CONTOURED	
	PORCELAIN SURFACES	71
	CONTOUR FIRED PROCELAIN	70
	FIRE BODY OR INCISAL PORCELAIN	70
J282	PERFORM ULTRASONIC CLEANING PROCEDURES OF METAL SUBSTRUCTURES	70
J276	DEGAS METAL SUBSTRUCTURES	70
T202	LIAV CUDOMBUCATIDE DAMMEDNE MO EULI COMMOUD DDIAD MO CUMBACK	40

CROWN AND BRIDGE FABRICATORS (GRP059)

TASKS		PERCENT MEMBERS PERFORMING (N=73)
1230	CHECK FINISHED CASTING ON DIE FOR ACCURATE FIT	99
1261	WAX-UP OR CARVE PATTERNS FOR CROWNS	97
1259	SPRUE WAX PATTERNS FOR CROWNS, INLAYS, AND FIXED PARTIAL DENTURES	96
1249	MOUNT CASTS FOR INLAYS, CROWNS, OR FIXED PARTIAL DENTURES	96
1247	INVEST WAX PATTERNS FOR CROWNS, INLAYS, AND FIXED PARTIAL DENTURES	95
12/.9	LUBRICATE DIES	93
1250	OCCLUDE CASTS FOR INLAYS, CROWNS, OR FIXED PARTIAL DENTURES	
1243	FINISH AND POLISH DENTAL ALLOYS FOR CROWNS, INLAYS, OR	
	FIXED PARTIAL DENTURES	92
1252	PERFORM SELECTIVE GRINDING PROCEDURES ON CROWNS, INLAYS, AND	00
	FIXED PARTIAL DENTURES	90
	WAX-UP OR CARVE PATTERNS FOR FIXED PARTIAL DENTURES WAX-UP OR CARVE PATTERNS FOR VARIOUS TYPES OF PONTICS OR	89
	FACINGS	82
I 251	PERFORM PREVENTIVE MAINTENANCE ON CROWN AND FIXED PARTIAL	
	DENTURE EQUIPMENT	82
F151	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	
	TECHNIQUES	82
I229	CAST CONVENTIONAL GOLD ALLOYS USING GAS AND AIR	81
F157	PERFORM GENERAL HOUSEKEEPING TASKS	81
	CUTBACK SUBSTRUCTURE WAX PATTERNS FOR PORCELAIN FUSED TO	
	METAL RESTORATIONS	79
F135	LASPRUE CASTINGS	79
	DEOXIDIZE (PICKLE) GOLD ALLOYS	79
	INVEST FIXED PARTIAL DENTURE COMPONENTS OR CROWNS FOR	
	SOLDERING	79
	ASSEMBLE FIXED PARTIAL DENTURE COMPONENTS FOR SOLDERING ELIMINATE WAX OR OTHER LUTING MATERIALS FROM SOLDERING	78
	INDEX PRIOR TO SOLDERING	78
	FIRE OPAQUE PORCELAIN	74
J281	PERFORM ULTRASONIC CLEANING PROCEDURES OF CONTOURED PORCELAIN SURFACES	74
1258	SOLDER FIXED PARTIAL DENTURE COMPONENTS USING GAS-AIR TORCHES	74
	WAX SUBSTRUCTURE PATTERNS TO FULL CONTOUR PRIOR TO CUTBACK	
	CONTOUR FIRED PORCELAIN	73 73
	FIRE BODY OR INCISAL PORCELAIN	73 72
		73
J282	· · · · · · · · · · · · · · · · · · ·	30
107/	SUBSTRUCTURES PEGAG METAL CURCTRUCTURES	73
	DEGAS METAL SUBSTRUCTURES WAY-HP PATTERNS HSING WAY ADDITIVE TECHNIQUE	73 71
1/07	WALELL PALINGME ICENIE WAY ADDITION TROUBLEMEN	/ 1

TABLE A8

INSTRUCTORS, SCHOOL OF HEALTH CARE SCIENCES (SHCS)
(GRP115)

TASKS		PERCENT MEMBERS PERFORMING (N=5)
D76	CONDUCT RESIDENT COURSE CLASSROOM TRAINING	100
D91	EVALUATE TRAINING PROGRESS OF RESIDENT COURSE STUDENTS	100
D86	DEVELOP TRAINING AIDS	100
	PREPARE LESSON PLANS	100
D80		100
1260	TRIM DIES	100
D102	WRITE TEST QUESTIONS	100
F151		
	TECHNIQUES	100
D72		100
	CONSTRUCT STONE DIES	100
	WAX-UP PATTERNS USING WAX ADDITIVE TECHNIQUE	100
	CHECK FINISHED CASTING ON DIE FOR ACCURATE FIT	100
I264		
	FACINGS	100
	WAX-UP OR CARVE PATTERNS FOR CROWNS	100
	SCORE TESTS	100
F180		
	SYSTEM	100
	CAST CONVENTIONAL GOLD ALLOYS USING GAS AND AIR	100
1266	WEIGH AND MEASURE DENTAL LABORATORY MATERIALS USING TROY SYSTEM	100
I239	FABRICATE ACRYLIC RESIN VENEER USING DRY HEAT CURED	
	ACRYLIC TECHNIQUE	100
I247		
TO (0	DENTURES	100
	LUBRICATE DIES	100
	POUR MASTER CASTS WITH REMOVABLE DIES	100
	WAX-UP OR CARVE PATTERNS FOR FIXED PARTIAL DENTURES	100
1238	ELIMINATE WAX OR OTHER LUTING MATERIALS FROM SOLDERING	100
I246	INDEX PRIOR TO SOLDERING INVEST FIXED PARTIAL DENTURE COMPONENTS OR CROWNS FOR	100
1240	SOLDERING	100
I249		100 100
	OCCLUDE CASTS FOR INLAYS, CROWNS, OR FIXED PARTIAL DENTURES	
I251	PERFORM PREVENTIVE MAINTENANCE ON CROWN AND FIXED PARTIAL	100
1231	DENTURE EQUIPMENT	100
1252	POLISH ACRYLIC FACING OR PONTICS	100
I258	SOLDER FIXED PARTIAL DENTURE COMPONENTS USING GAS-AIR	100
-250	TORCHES	100

ORTHODONTIC APPLIANCE FABRICATORS (GRP046)

TASKS		PERCENT MEMBERS PERFORMING (N=7)
K296	FABRICATE ACRYLIC ORTHODONTIC APPLIANCES BEND WIRE FOR ORTHODONTIC APPLIANCES ATTACH WIRES TO CASTS FOR ORTHODONTIC APPLIANCES	100
K294	BEND WIRE FOR ORTHODONTIC APPLIANCES ATTACH WIRES TO CASTS FOR ORTHODONTIC APPLIANCES FINISH AND POLISH ORTHODONTIC APPLIANCES PERFORM SOLDERING PROCEDURES ON ORTHODONTIC APPLIANCES REPAIR BROKEN ORTHODONTIC APPLIANCES (ACRYLIC) FABRICATE REMOVABLE SPACE MAINTAINERS FABRICATE FIXED SPACE MAINTAINERS PERFORM ORTHODONTIC TRIM AND DIAGNOSTIC CASTS FINISH AND POLISH ORTHODONTIC DIAGNOSTIC CASTS INSPECT ORTHODONTIC APPLIANCES	100
K293	ATTACH WIRES TO CASTS FOR ORTHODONTIC APPLIANCES	100
K301	FINISH AND POLISH ORTHODONTIC APPLIANCES	100
K305	PERFORM SOLDERING PROCEDURES ON ORTHODONTIC APPLIANCES	100
K308	REPAIR BROKEN ORTHODONTIC APPLIANCES (ACRYLIC)	100
K300	FABRICATE REMOVABLE SPACE MAINTAINERS	100
K297	FABRICATE FIXED SPACE MAINTAINERS	100
K304	PERFORM ORTHODONTIC TRIM AND DIAGNOSTIC CASTS	86
K302	FINISH AND POLISH ORTHODONTIC DIAGNOSTIC CASTS	86
K303	INSPECT ORTHODONTIC APPLIANCES	86
K309	REPAIR BROKEN ORTHODONTIC APPLIANCES (METAL PORTIONS)	86
K299	PARRICAME TIMOUAT AROUTED	0.4
F146	FINAL FINISH AND POLISH ACRYLIC PRODUCTS DESIGN ORTHODONTIC APPLIANCES ACCORDING TO DENTAL	86
K295	DESIGN ORTHODONTIC APPLIANCES ACCORDING TO DENTAL	
	OFFICER 5 PRESCRIPTION	/ 1
F158	POUR AND TRIM DIAGNOSTIC CASTS	71
F169	REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING	
	ACRYLICS	71
F172		71
	POUR ORTHODONTIC IMPRESSION USING ORTHODONTIC BASE FORMER	
F156	PAINT MOLDS WITH TINFOIL SUBSTITUTES	57
F174	SOAK CASTS IN SLURRY WATER	57
F157	PERFORM GENERAL HOUSEKEEPING TASKS	57
F144	FABRICATE SURGICAL STENTS AND SPLINTS (TEMPLATES)	57
F143	FABRICATE SOFT MOUTH GUARDS	57
F145	FABRICATE VERTICAL BITE OPENERS	57
H195	ADAPT WROUGHT WIRE CLASPS FOR PRDs	57
A 3	DETERMINE WORK PRIORITIES	43
F138	ELIMINATE POSITIVE STONE NODULES	43
F159	POUR AND TRIM MASTER CASTS	43
E113	SOAK CASTS IN SLURRY WATER PERFORM GENERAL HOUSEKEEPING TASKS FABRICATE SURGICAL STENTS AND SPLINTS (TEMPLATES) FABRICATE SOFT MOUTH GUARDS FABRICATE VERTICAL BITE OPENERS ADAPT WROUGHT WIRE CLASPS FOR PRDs DETERMINE WORK PRIORITIES ELIMINATE POSITIVE STONE NODULES POUR AND TRIM MASTER CASTS MAKE ENTRIES ON DENTAL LABORATORY PRESCRIPTION AND	
	CONSULTATION REQUEST FORMS (AF FORM 994)	43

DENTAL LABORATORY MANAGERS (GRP056)

TASKS		MEMBERS PERFORMING (N=22)
B29	COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED MATTERS	100
C69	WRITE APRS	100
C53	ENDORSE AIRMAN PERFORMANCE REPORTS (APR)	100
A12	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS,	
_	CONFERENCES, OR WORKSHOPS	100
A24	SCHEDULE LEAVES, PASSES, OR TDYs	100
A3	DETERMINE WORK PRIORITIES	91
A6	DEVELOP WORK METHODS OR PROCEDURES	91
A9	ESTABLISH PERFORMANCE STANDARDS	91
B25	ASSIGN PERSONNEL TO DUTY POSITIONS	91
B45		91
	EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS	86
B43	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR	
	SUBORDINATES	86
A17	PLAN WORK ASSIGNMENTS	86
C52	ANALYZE WORKLOAD REQUIREMENTS	86
A2	DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	86
C61	EVALUATE MAINTENANCE OR USE OF WORKSPACE, EQUIPMENT, OR SUPPLIES	86
A5	DEVELOP SELF-INSPECTION PROGRAMS	82
B34	DIRECT MAINTENANCE OR UTILIZATION OF FACILITIES OR WORK AREAS	82
A1	ASSIGN SPONSORS FOR NEWLY ASSIGNED PERSONNEL	82
A11	ESTABLISH WORK SCHEDULES	77
C58	EVALUATE INDIVIDUALS FOR PROMOTION, DEMOTION, OR	
	RECLASSIFICATION	77
B36	DRAFT OR WRITE CORRESPONDENCE	77
B42	INITIATE PERSONNEL ACTION REQUESTS, SUCH AS ASSIGNMENT/	
	PERSONNEL ACTION FORMS (AF FORM 2095)	77
A21	PREPARE JOB DESCRIPTIONS	77
B40		77
D73	ASSIGN ON-THE-JOB TRAINING (OJT) TRAINERS	77
B48	SUPERVISE DENTAL LAB SPECIALISTS (AFSC 98250)	73
B50	SUPERVISE DENTAL LAB TECHNICIANS (AFSC 98270)	73
A8	ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS (01),	
200	OR STANDARD OPERATING PROCEDURES (SOP)	73
ከደደ	FVAINATE OUT TRAINERS OF TRAINERS	73

REMOVABLE PARTIAL DENTURES (RPD) INSTRUCTORS (GRP051)

		PERCENT MEMBERS PERFORMING
TASKS		(N=13)
F171	SANDBLAST OR SHELLBLAST APPLIANCES	100
F130	BURN OUT INVESTED WAX OR PLASTIC PATTERNS	100
H223	WAX AND ADAPT COMPONENTS OF FRAMEWORK PATTERNS ON	
	REFRACTORY CASTS FOR RPDs	100
H206	MARK INVESTMENT MOLDS WITH INGOT SIZE	100
F128	BLOCK OUT UNDESIRABLE UNDERCUTS	100
F127	BLOCK OUT AND RELIEVE MASTER CASTS	100
H203	FINISH AND POLISH DENTAL ALLOYS FOR RPDs	92
F136	DEVEST (RECOVER) CASTINGS	92
H200	CHECK FINISHED FRAMEWORK ON DUPLICATE MASTER CASTS FOR	
	ACCURATE FIT	92
H220	TI-LECTRO POLISH CASTINGS	92
H212	POUR AND TRIM REFRACTORY CASTS	92
H199	CAST METALLIC DENTURE BASES OR PARTIAL DENTURE FRAMEWORKS	92
H221	TRANSFER DESIGNS FROM MASTER CASTS TO REFRACTORY CASTS	92
F135	DESPRUE CASTINGS	92
F137	DUPLICATE MASTER CASTS	92
H202	DEHYDRATE REFRACTORY CASTS	92
H205	INVEST WAX PATTERNS FOR METALIC DENTURE BASES OR RPDs	92
F174	SOAK CASTS IN SLURRY WATER	92
H219	SPRUE WAX PATTERNS FOR RPDs	92
H195	ADAPT WROUGHT WIRE CLASPS FOR RPDs	92
H197	ATTACH WROUGHT WIRE CLASPS TO RPDs	92
H216	SOLDER METAL FRAMEWORKS OR RPDs ELECTRICALLY	92
H224	WAX DIP REFRACTORY CASTS	85
H207	ORIENTATE CASTS OF RPDs	85
H210	PERFORM PREVENTIVE MAINTENANCE ON RPD EQUIPMENT	85
	ELIMINATE POSITIVE STONE NODULES	85
H211	PERFORM SELECTIVE GRINDING PROCEDURES ON RPDs	85
H196	ARRANGE ARTIFICIAL TEETH FOR RPDs	85
F129	BOIL OUT WAX FROM MOLDS	85
H222	TRANSFER SURVEY AND DESIGN FROM DIAGNOSTIC TO MASTER	
	CASTS FOR RPDs	77

TABLE A12 REMOVABLE PARTIAL DENTURES (RPD) FABRICATORS (GRP039)

TASKS		MEMBERS PERFORMING (N=19)
H220	TI-LECTRO POLISH CASTINGS FINISH AND POLISH DENTAL ALLOYS FOR RPDs SANDBLAST OR SHELLBLAST APPLIANCES SOLDER METAL FRAMEWORKS OF RPDs ELECTRICALLY CHECK FINISHED FRAMEWORK ON DUPLICATE MASTER CASTS FOR ACCURATE FIT	100
H203	FINISH AND POLISH DENTAL ALLOYS FOR RPDs	95
F171	SANDBLAST OR SHELLBLAST APPLIANCES	95
H216	SOLDER METAL FRAMEWORKS OF RPDs ELECTRICALLY	89
H200	CHECK FINISHED FRAMEWORK ON DUPLICATE MASTER CASTS FOR ACCURATE FIT DESPRUE CASTINGS PERFORM GENERAL HOUSEKEEPING TASKS PERFORM SELECTIVE GRINDING PROCEDURES ON RPDs PERFORM PREVENTIVE MAINTENANCE ON RPD EQUIPMENT ELIMINATE POSITIVE STONE NODULES ATTACH ADDICATE HIDE CLASES TO REDS	
	ACCURATE FIT	68
F135	DESPRUE CASTINGS	68
F157	PERFORM GENERAL HOUSEKEEPING TASKS	63
H211	PERFORM SELECTIVE GRINDING PROCEDURES ON RPDs	58
H210	PERFORM PREVENTIVE MAINTENANCE ON RPD EQUIPMENT	58
F138	ELIMINATE POSITIVE STONE NODULES	58
H197	ATTACH WROUGHT WIRE CLASPS TO RPDs	42
H215	ATTACH WROUGHT WIRE CLASPS TO RPDs REMOUNT CASTS OF RPDs TO RESTORE VERTICAL DIMENSIONS ADAPT WROUGHT WIRE CLASPS FOR RPDs	37
H195	ADAPT WROUGHT WIRE CLASPS FOR RPDs	32
F136	DEVEST (RECOVER) CASTINGS	26
A12	PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, BRIEFINGS,	
	CONFERENCES, OR WORKSHOPS	26
H207	ORIENTATE CASTS OF RPDs	16
	FINISH AND POLISH RPDs AFTER CLINICAL ADJUSTMENTS	11
J282	PERFORM ULTRASONIC CLEANING PROCEDURES OF METAL SUBSTRUCTURES	11
H217		
E123	RECEIVE SUPPLIES	11
A23	REVIEW UNIT EMERGENCY OR DISASTER PLANS	11
K305	REVIEW UNIT EMERGENCY OR DISASTER PLANS PERFORM SOLDERING PROCEDURES ON ORTHODONTIC APPLIANCES	11
F129	BOIL OUT WAX FROM MOLDS	11
F167	REMOVE STONE TEETH FROM CASTS	11
B46	SUPERVISE APPRENTICE DENTAL LAB SPECIALISTS (AFSC 98230)	11
F134	DEFLASK PROCESSED APPLIANCES	5
F156	PAINT MOLDS WITH TINFOIL SUBSTITUTES	5
	FINISH AND POLISH DENTAL ALLOYS FOR CROWNS, INLAYS, OR FIXED	
	PARTIAL DENTURES	5
K301	FINISH AND POLISH ORTHODONTIC APPLIANCES	5
B33	DIRECT MAINTENANCE OR UTILIZATION OF EQUIPMENT	5

REMOVABLE PARTIAL DENTURES (RPD) SECTION NCOICS (GRP037)

TASKS		PERCENT MEMBERS PERFORMING (N=11)
H200	CHECK FINISHED FRAMEWORK ON DUPLICATE MASTER CASTS FOR	
	ACCURATE FIT	100
H210	CHECK FINISHED FRAMEWORK ON DUPLICATE MASTER CASTS FOR ACCURATE FIT PERFORM PREVENTIVE MAINTENANCE ON RPD EQUIPMENT SOLDER METAL FRAMEWORKS OF RPDs ELECTRICALLY FINISH AND POLISH DENTAL ALLOYS FOR RPDs TI-LECTRO POLISH CASTINGS	100
H216	SOLDER METAL FRAMEWORKS OF RPDs ELECTRICALLY	100
H203	FINISH AND POLISH DENTAL ALLOYS FOR RPDs	91
		91
B46	SUPERVISE APPRENTICE DENTAL LAB SPECIALISTS (AFSC 98230)	91
D48	SUPERVISE DENIAL LAB SPECIALISIS (AFSC 98230)	02
	ORIENTATE CASTS OF RPDs	82
	PERFORM SELECTIVE GRINDING PROCEDURES	82
	SANDBLAST OR SHELLBLAST APPLIANCES	82
	WRITE APRs	82
	ATTACH WROUGHT WIRE CLASPS TO RPDs	82
	CONDUCT OJT	73
F135	DESPRUE CASTINGS	73
B29	COUNSEL PERSONNEL ON PERSONAL OR MILITARY RELATED MATTERS EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS COUNSEL TRAINEES ON TRAINING PROGRESS ELIMINATE POSITIVE STONE NODULES PERFORM GENERAL HOUSEKEEPING TASKS	64
C57	EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS	55
D80	COUNSEL TRAINEES ON TRAINING PROGRESS	55
F138	ELIMINATE POSITIVE STONE NODULES	55
F157	PERFORM GENERAL HOUSEKEEPING TASKS CAST METALLIC DENTURE BASES OR PARTIAL DENTURE FRAMEWORKS ADAPT WROUGHT WIRE CLASPS FOR RPDs	55
H199	CAST METALLIC DENTURE BASES OR PARTIAL DENTURE FRAMEWORKS	55
A3		55
	ORIENT NEWLY ASSIGNED PERSONNEL	55
	TRANSFER DESIGNS FROM MASTER CASTS TO REFRACTORY CASTS	
H223		
	CASTS FOR RPDs	36
H219	SPRUE WAX PATTERNS FOR PRDs	36
H215	REMOUNT CASTS FOR RPDs TO RESTORE VERTICAL DIMENSIONS MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	36
	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATE	
DAR	EVALUATE OUT TRAINERS OR TRAINERS	36

CERAMIC PROSTHESES FABRICATORS (GRP128)

TASKS		PERCENT MEMBERS PERFORMING (N=7)
1274	CONTOUR FIRED PORCELAIN	100
J2/4 T270	CONTOUR FIRED FORCELAIN	100
J2/0	CATH DODOGITH DECEMBER ONG HOLDS EARDING SECRETAR	100
J200	CONTOUR FIRED PORCELAIN FIRE OPAQUE PORCELAIN STAIN PORCELAIN RESTORATIONS USING EXTRINSIC STAINS (SURFACE) APPLY OPAQUE PORCELAIN APPLY AND FIRE OVER-GLAZE TO CERAMIC PROSTHESES PERFORM ULTRASONIC CLEANING PROCEDURES OF CONTOURED PORCELAIN SURFACES FIRE BODY OR INCISAL PORCELAIN FIRE PORCELAIN TO MATURITY (NATURAL GLAZE)	100
.1271	APPLY OPAQUE PORCELATN	100
J268	APPLY AND FIRE OVER-GLAZE TO CERAMIC PROSTHESES	100
J281	PERFORM ULTRASONIC CLEANING PROCEDURES OF CONTOURED	200
V	PORCELATIN SURFACES	100
J277	FIRE BODY OR INCISAL PORCELAIN	100
J279	FIRE PORCELAIN TO MATURITY (NATURAL GLAZE)	100
J269	APPLY BODY OR INCISAL PORCELAIN	86
J276	DEGAS METAL SUBSTRUCTURES	86
J282	FIRE BODY OR INCISAL PORCELAIN FIRE PORCELAIN TO MATURITY (NATURAL GLAZE) APPLY BODY OR INCISAL PORCELAIN DEGAS METAL SUBSTRUCTURES PERFORM ULTRASONIC CLEANING PROCEDURES OF METAL SUBSTRUCTURES	
	SUBSTRUCTURES	86
J270	APPLY METAL CONDITIONERS	86
J280	PERFORM PREVENTIVE MAINTENANCE ON DENTAL CERAMIC EQUIPMENT	71
	PERFORM GENERAL HOUSEKEEPING TASKS	57
J287	REPAIR OR REPLACE DAMAGED CERAMIC RESTORATIONS	43
J283	POSTSOLDER METAL FRAMES FOR PORCELAIN FUSED TO METAL	
	RESTORATIONS	43
B48	SUPERVISE DENTAL LAB SPECIALISTS (AFSC 98250)	43
A12		
	CONFERENCES, OR WORKSHOPS	43
E113		
	CONSULTATION REQUEST FORMS (AF FORM 994)	29
1252		
	AND FIXED PARTIAL DENTURES	29
I 25 1		
	DENTURE EQUIPMENT	29
1257		29
	DEPLATE (STRIP) CROWNS OR INLAYS	29
1225	APPLY AND FIRE OVER-GLAZE TO MANUFACTURED PROCELAIN PONTICS	
	OR FACINGS	29
	CONDUCT OJT	29
C69	WRITE APRS	29
B40	SUPERVISE APPRENTICE DENTAL LAB SPECIALISTS (AFSC 98230)	14
	BLAST METAL SUBSTRUCTURES WITH ALUMINUM OXIDE	14
	CHECK FINISHED CASTING ON DIE FOR ACCURATE FIT	14

APPENDIX B

JOB DESCRIPTIONS FOR BASE AND AREA DENTAL LABORATORY PERSONNEL

98230/50 AIRMEN IN BASE DENTAL LAB

DUTY AND TASK PERFORMANCE DATA FOR A SELECTED GROUP, BASED ON BACKGROUND

31

77	DUTY JOS DESCRIPTION	CASES TASKS	6 OUTIES 5 12	MBRS 237	:		ı	
		CUMULATIVE SUM OF AVERAGE PERCENT TIME SPENT BY ALL MEMBERS AVERAGE PERCENT TIME SPENT BY ALL MEMBERS	OF AVERAGE IT TIME SPENT IT TIME SPENT	PERCENT TIME BY ALL MEMBERS	SPERT BY ALL	MEMBERS.		
		PERCENT OF MEMBERS PERFORMING	BERS PERFORM	ING	• • • • • • • •	•	•	1
0-TSK		DUTY/TASK TITLE			•. • ·	• •	•\$	
Q.	PERFORMING SENERAL LABORATORY TASKS	LABORATORY TASH			41.00	48.25	47.85	47.85
•	ABRICATING CROWNS	, INLAYS, AND F	IXED PARTIAL	DENTURES	79.75	22,12	18.12	6.5
	FABRICATING AND REPAIRING COMPLETE DENTURES	PAIRING COMPLETE	DENTURES		83.54	7.60	6.35	72.32
_	FABRICATING CERAMIC PROSTHESES	C PROSTHESES			39.24	15.00	5.89	78.2
•	FABRICATING AND REPAIRING REMOVABLE PARTIAL DENTURES (RPD)	PAIRING REMOVABL	E PARTIAL DE	NTURES (RPD)	81.43	6.92	5.63	83.83
•	FABRICATING AND REPAIRING ORTHODONIEC APPLIANCES	PAIRING ORTHODON	ITIC APPLIANC	ES	69.62	7.44	5.18	89.01
4	PERFORMING ADMINISTRATIVE AND SUPPLY TASKS	TRATIVE AND SUPF	PLY TASKS		81.01	4.38	3,55	92
	ORGANIZING AND PLANNING	NNING			68.35	3.76	2.57	95.13
.	DIRECTING AND IMPLEMENTING	EMENTING			51,05	3.91	2.00	97.13
_	INSPECTING AND EVALUATING	LUATING			*0°0*	3,05	1,22	98.35
_	TRAINING					3.74	1.18	99,53
_	FABRICATING SPECIAL PROSTHESES	L PROSTHESES			i	2.17	C	60

m

DUIT AND TASK PERFORMANCE DATA FOR A SELECTED GROUP, BASED ON BACKGROUND INFORMATION LISTED BELOW, FROM THE 982XO CAREER LADDER, TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT TIME SPENT BY ALL GROUP HEMBERS.

i	TASK SEO	ON -	•	• 1	•											10					C **					20					25					30		
•	• •	•	• (• •	•	1.65	3.20	4.70	90 • 9	;	\$ ° 2	99.0	10.93		12.05	13,15	14.24	15.34	16.43	17.49	10.00	20.67	21.73		22.78	23.82	24.85	24.00		27.92	28.94	96*62	30.96	31.95	32.95	33.93	35.67	36.84 36.84
		-	• (• \$,	1.65	1.54	1.50	1.36	:	16.33	1.27	1.13		1.12	1.10	1.10	1.10	1.08	1001	900	1.06	1.06	:	1.05	1.04	1.03	200	•	1.02	1.02	1.02	1.00	66.	66.	60.	. 6	96
1	ALL MEMBERS.	• • • • • • • • • • • • • • • • • • • •	• (• •	•	1.76	1.73	1.69	1.42			1.50	1.36	i	1.42		103/	1.32	1.42	1.20	1.20	1.39	1.27		1.31	1.25	1.30	1001	•	1.36	1.55	1.28	1.24	1.29	1.24	1.19	1.26	1,35
!	NT BY ALL		• • • • • • • • • • • • • • • • • • • •	•, •	•	60 46	89.03	89.03	95.36	70	20.00	70.73	82.70	1	78.90	79.75	80.17	R3.12	76.37	89.03	BO. 17	75.95	83.54	,	80.17	R3.12	79.32	7 00		75.11	65.82	79.32	81.01	77.22	80.17	82.70	76.37	70.89
CASES TASKS DUTIES MBRS 498 325 12 237	LATIVE SUM OF AVERAGE PERC Age percent time spent by	HEHB	באי טר חכחטנאט	DUTY/TASK TITLE		.Δ.	DIAGNOSTIC CASTS	MASTER CASTS	MOUNT CASTS ON ARTICULATORS USING ARBITRARY MOUNTING	AND TERROFICATION TOAKS	5 0	IND POLISH ACRTLIC PROBOCIOS	RED OR BROKEN APPLIANCES USING SELF-CURING		FLIC APPLIANCES	DEFEND TENDERS TON PRODUCTS	POORING DIAGNOSTIC CASES	TH TINFOIL SUBSTITUTES	NTOUR DENTURE BASES	CANIS	MOLDS FOR P	TEETH IN	AREAS OF DENTURES TO RECE	AIA.	76	CASTS ON MATRICES FOR DENIURE REPAIR	VOEC ATTLEMENT.			ENTUR	IE PATTERNS FOR CROWNS	SLURRY WATER	TAL TETH		OR ADAPT BASEPLATES	SOFI MOUTH GUARDS	COMPLETE OR PARTIAL DENTURES USING SELF-CURE (JIG)	
TASK JOB DESCRIPTION		1 1		D-TSK			158 POUR AND TRIM DIAGNOSTIC		151 MOUNT CASTS ON	1 to FARDICATE CHETCH TERRES						161 ME 16H AND HIX STROUM PRO			179 MAX-UP AND CONTOUR				162 PREPARE FRACTURED		PREPARE	161 PREPARE CASTS	134 UETLASH PROCESSEU AFFLIA 171 SANDRIAST OD SHFIIRIAST	1					172 SELECT ARTIFICIAL TEETH	BOIL OUT	FABRICATE	143 FABRICATE SOFT	RELINE COM	METHOD 25% POUR MASTER CASTS WITH R

98230/50 AIRHEN IN BASE DENTAL LAB	· · ·	SPCOA1 PAGE	•	OCCUPATIONAL USAFOHC (ATC	IONAL ANALYSIS PROGRAM (ATC) RANDOLPH AFB TX	AAH TX
4	79.32	1.20	56.	37.78	;	
259 SPRUE NAX PATTERNS FOR CROI	64.56	1.26	4 0	38.72	35	
STRUCTURE STRUCT	. :		1	•		
- ,-	75.95	1-19	5	40 .53		
132	64.62	1.29		41.43		
125 BEAD AND BOX IMPRESSIONS	10.0	80.) «	12.20	C	
164 PREPARE SLURRY NATER	82.28	1.05	9	90 9 8	2	
138 ELIMINATE POSITIVE	75.95	1.12	60	44.93		
MAINTENANC	72.15	1017	885	45.76		
COMPLETE DENTURES						
MOUNT CASTS FOR	67.93	1.24	-84	46.60		
A GAS CONSTRUCT SIGNE DIES A 186 ASSENDE ASSETTATAL VERTER AN USA ROSS SALANORS RICHMANNE	62.03	1.34			io #	
OCCLUSION	78.00	10.25	79.	92.84		
I 297 INVEST MAN PATTERNS FOR CROWN, INLAYS, AND FIXED PARTIAL	60.76	1.33	.81	49.06		
DENTURES						
F 150 WEIGH AND WEISHED CASLING ON DIE FOR ACCURATE FIL	92.09	1.32		49.87		
METALC SYSTEM		07.7		•		
LUBRICATE DIES	64.14	1.23	.79	51.45	50	
154 PACK CASES FOR SKIPMENT	68,35	1.12	.77	2		
AND POLISH DENTAL	56.54	1.36	.77	52.98		
I 262 MAX-UP OR CARVE PATTERNS FOR FIXED PARTIAL DENTURES	10 TO	1.62	76	A 7 . 7 &		
201 CONSTRUCT TREATMENT (TRANSITIONAL OF TEMPOR		12.1		•		
250 OCCLUDE CASTS FOR INLAYS, CROMNS, OR	62.03	1.21	75	55.25	3.5	
BURN OUT INVESTED MAX OR PLASTIC PATTERNS	61.18	1,21		55.98		
REHOVE STONE TEETH FROM CASTS	73.84	660	.73	56.72		
I 266 WEIGH AND MEASURE DENTAL LABORATORY MATERIALS USING TROY	56.54	1.29	• 73	57.45		
SYSTEM STEEDING SEPTIME ROTHNIAG BROCESHOF ON COOMING AND	7	10	ç			
AND FIXED PARTIAL DENTURES		794	7	7-00		
DESPRUE CASTINGS	57.81	1.23	.71	58.88	60	
FABRICATE SURGICAL STENTS AND SP	70.89	1.00	.71	59.58		
CMPACK CASES RECEIVED FROM OT	65.82	1.05	69	60.28		
IIIVE TECHNIQUE KTWE FACE BON TOANSER	#	1.46	99.	96.09		
CART CONVENTIONAL GOLD ALLOYS LIGHE CAR	0000	00.			1	
DEOXIDIZE (PICKLE) GOLD ALLOYS	58.23	1.10	4	62.91	0	
MAKE ENTRIES ON DENTAL LABORA	51.48	1.21	62	61.61		
CONSULTATION REQUEST FORMS (1			•		
136 DEVEST (RECOVER) CASTINGS	54.43	1.14	•62	64.15		
ATTO NIOT SELECTIVE GRINDING PR	45.15	1.29	80			
DESCRIPTION OF THE FOR ORTHODONIES APPLIANCES	51.90	1.11	80	SO.	70	
TOTAL TRANSPORT FRIENDS AND THE STATE OF CHOSEN AND THE PARTIES.	51.90	7.7	• 58	65.89		
FABRICATE ACRYLIC ORTHODONTIC APPLIAN	54.01	1.05	57	99.099		
I 264 MAX-UP OR CARVE PATTERNS FOR VARIOUS TYPES OF PONTICS OR		1.39		7.0		
SECRETARY CONTRACTOR TO CARE TRANSPORT TO CONTRACT TO	4		ì	;		
187 FABRICATE REMOUNTING INDEXES		70.7	0 4 0 4	66.13	76	
	48.95	1.09		68.66		
	! !	2	:) } }		

98230/50	AIRMEN IN BASE DENTAL LAB		SPCO81 PAGE	vn	OCCUPA	OCCUPATIONAL ANALYSIS PROGRAM USAFOMC (ATC) RANDOLPH AFR TV	¥ >
			•)		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•
6 190 K 293	PREPARE POSTERIOR PALATAL SEALS	54 . 85	56.	•52	69.18		
	5 6	47.68	1.08	• 51	69.69		
128	744	52.74	*6	• 20	70.19		
12	UIS CITED MEETINGS	'n.	• 62	6	70.65		
	CONTRACTOR DE LODENTEDES	51.48	06.	. 4.	71.12		
E 118 MA	MAKE EXTRIES ON RECORD OF DENTAL BORDING METAL AND	44 67		3	٠		
		0	100	•	71.58		
215	v	37.97	1.19	545	72.03		
I 263 MA	MAX-UP OR CARVE PATTERNS FOR INLAYS TO THE STATE OF THE S	80.04	1.12	4			
1	•	81.35	90-1	1	•	u d	
H 20% FT	FTER	40.54		4	77. 76		
m		41.77	40.		0000		
F 150 MA	MAKE ADJUSTMENTS TO IMPRESSION TRAYS, SUCH AS	N 7 8 8 8	62) M	74.22		
	GTHENING OR PERFORATING		•	•	:		
155 40	MOUNT CASTS ON ARTICULATORS USING HARD MATTAIAL MOUNTING	46.84	26.	.43	74.65		
T. C. S. L. S.				•		: !	
	TANK ENTRES ON MELOND OF DENIAL ATTENDANCE FORMS	32.91	1.28	•45	15.07	06	
269	APPLY BODY OR INCISAL PORCELATA	04.80			;		
	ENTURE	\$0.0¥	86		75.87		
į			}		•		
X 304 PE	OF DIAGNOSTIC CASTS	33,33	1.17	• 39	76.26		
2 6	_	40°08	16.	• 39	76.65		1
2 474 50	CONTOUR FIRED PORCELAIN	28.69	1.36	• 39	77.04	95	
100	SUPPLIES	# 3 ° 0#	.91	• 39	77.43		
643	DESIGN OR HOUDING APPLIANCES ACCORDING TO DENTAL	38.40	86.	• 38	77.81		
F 145 FA	FABRICATE VERTICAL BITS DESKED.		•	;	:		
273		2000		25	78.18		
	IERMS FOR FURCELAIN FUSEU	52° /4	1.43	.37	78.55		
J 282 PE	PERFORM ULTRASONIC CLEANING PROCEDURES OF METAL	30.38	1.21	.37	78.91	001	
			•		1		
292	MAX SUBSTRUCTURE PATTERNS TO FULL CONTOUR PRIOR TO CUTBACK	25.32	1.42	•36	79.27		
- 1	AFFLY OFAUL FORCELAIN	28.69	1.26	• 36	79.63		
	FELTME CONFIETS ON TAXITAL DENIGHES USING MEAT CURE	36.29	86.	• 35	19.99		
_	BEAD HAXILLARY CAST	17.97	20	y P			
226	APPLY DIE SPACER TO DIE	, 3			00.00	90.	
•	DEVELOP WORK METHODS OR PROCEDURES	33,33	1.05) W	9	0:	
J 276 DE	DEGAS METAL SUBSTRUCTURES	28.69	1.22	200	81.039		
227	ASSEMBLE FIXED PARTIAL DENTURE COMPONENTS FOR SOLDERING	36.29	.95	35	81.74	1 1	
77	TE BOOT OR INCISAL PORCELAIN	28.27	1.22	.34	82.08		
174 8/7 6	UPAQUE PORCELAIN	28.27	1.20	34	82.42	110	
	BASERIAM ULIRASONIC CLEANING PROCEDURES OF CONTOURED	29.96	1.12	• 34	2	; ;	
1 2 2 6 1							
9	INDEX PRIOR TO SOLDERING	37.13	06•	•33	83.09		
303	INSPECT ORTHODONTIC APPLIANCES	15.02	30.		C 4		
231	VITH DI	26.16	1.23		84.74		
279	Ž	27.00	1.17	• 32	84.06	115	
	URES USING GAS AND OXYGEN	22.78	1.37	•31	84.37) •	
207	TOUCHER FIXED PARTIAL DENTURE COMPONENTS USING GAS-AIR	35.86	.87	.31	64.69		
•	יאנחבי						

•	98230/50 AIRMEN IN BASE DENTAL LAB		SPCG81 PAGE	•	OCCUPA	OCCUPATIONAL I	ANALYSIS PROGRAM RANDOLPH AFB TX
B5							
	MATERIALS ONTO CAST	33.33	.87	•29	16.48		
•	SUPERSTOR APPRENTICE UENTAL LAB	۳,	1.19	.27	85.24		
.	THACK COLL FRENT , TOOL S, OK	30 • 38	30.	• 56	85.50	120	
- 1	BLOCK OUT AND RELIEVE MASTER CASTS	25.74	.97	.25	85.75		
- 4	BLAST METAL SUBSTRUCTURES WI	22.36	1.10	\$ 7 8	85.99	1	
≝ '	INTAINERS	27.43	88	•2•	86.23		
ο.	PERFORM PREVENTIVE MAINTENANC	22.78	1.04	*2*	86.47		
٠.	APPLY AND FIRE OVER-GLAZE TO CERAMIC PROSTMESES	•	1.07	•23	٩	125	
ר	AND SINE PORCELLIN RESIDENTIONS USING EXTRINSIC STAINS	•	1.02	• 23	86.93		
*	**** **********************************	•	;	•			
	AND PERSONAL PERSONAL STANDARD CONTRACTOR CANADA	10.00	7.0	77.	010		ě
ن :	TRITE APR.S	16 16	6	7, 6	00.00		
		22.78	• •	12.	01.00	1 40	
٥	CONDUCT OJT	24.47	985	.23	88.00	7	
•		25.32	.82	.21	88.21		
L	STAIN DENTURE BASES	26.16	.79	•21	88.42		
		21.10	. 6.	• 20	88.62		
٠ د	SA ANALY CE MONNICON NEGOTIANIS	25.32	80	•50	88.82	135	
	CAST AFFICE SELECTARISHED TO TAKE TROUMENTS	18.57	1.06	02.	89.02		
×	PRINCES POLICIES NATIONAL DESCRIPTION OF SOUTH STANSFORM	7.4.7			27.60		
: H	REPAIR METAL CROUKS	10.01	6791	•			
 		22.36	2 2		07.08	140	
-	"	24 .05	• 79	• ~	٠.	•	
	ON CROEKS	:	•				
× (PERFORM SOLDERING PROCEDURE	20.68	.91	• 19	90.17		ı
•	SA MEDICAL SECURITY PROGRAMS	6.75	2.75	• 10	90.36		
0 0	CIBEDGE OF SERVICE OF UTILE	21.99	80	• 18	90.54	- [-	
o =		10.40	1.04	8 6	90.72	342	
H	POLISH ACRYLIC FACINGS OR P	23.63	3 L	9+4	00.00		
×	REPAIR BROKEN ORTHODONTIC AP	18,99	. 6	18	91.25		
.	RESEARCH SUPPLY CATALOGS	24.47	.72	.18	91.43		
7	291 WAX PATTERNS DIRECTLY TO SUBSTRUCTURE SHAPE (NO FULL	15.19	1,15	.17	91.60	150	
a	TOSTOCK WANTED OF CONTROL OF CONT		:	. :	٠,	! ! !	
	REPATR FRACTURED OF SROKEN A	22.78	• 1.4 2.7.		90.10		
	METHOD		•	:	0		
*	FABRICATE LINGUAL ARCHES	16.46	66.	•16	92.11		
⊷ }	257 SOLDER FIXED PARTIAL DENTURE COMPONENTS USING OVENS	19.83	08*	•16	92.27	- 1	
< 3		19.41	09.	910	92.43	155	
	15suf suppires	10.07	28.		92.58		
6			r 90	7 4	92.87		
0	INEES	. •	2.22		0.50		
•	•	15.19	. 91	*	93.15	160	
0	PDS. CHAR	17.72	82	-	0.4		
U	EVALUATE MAINTENANCE OR USE OF HORKSPACE	17.30	7.8	13	93.42		
_	FACF	25.74	ŭ	-			
	PRESOLDER METAL FRAMES FOR PORCELAIN FUSED TO	33.08	96.	11.	93.68		
		:				;	

1.25 POPILICA CONTRICATION OF PROCECULAR 1.4.77 1.8 1.15 1.8 1.8	98230/53 AIRMEN IN BASE DENTAL LAB	•	SPCOB1 PAGE	•	OCCUPATIONAL USAFOMC (ATC	TIONAL /	ANALYSIS PROGRAM PANDOLPH AFB TX
2 DETENDED REALER SHIPS SPINCE, PERSONNEL, EQUIPPRENT, 20.73 .61 .12 91.93 2 DETENDENT ENABLES SHIPS SHIPS SPINCE, PERSONNEL, EQUIPPRENT, 15.61 .77 .12 94.05 2 STABLISH FERGOMANE STHANS 2 DECUMENT TRAINER SHIPS	APPLY AND FIRE OVER-GLAZE TO BONTICS OF FACTORS	~	. 85	.12	m	591	
10 10 11 12 12 13 14 15 15 15 15 15 15 15	DETECTION OF TRIBES DETECTION OF THE SPACE, PERSONNEL,	~	.61	.12	Ç		
### STREALS ### PROFESSION STATES ### STREALS ### STREAT ##	STABILIZE BASEPLATES WITH SOF	16.03	.17	•12	94.05		
STATE CONTRICT OF TRAINING PROGRESS 11.75 1.10 91.51 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1.10 91.52 1	ESTABLISH PERFORMANCE STANDAR Develop training atox	15.61	97.0	•12	94.18		
80 CRULON SELF-INSPECTION PROGRAMS 80 STATE ADMILISTER SON THAILE PROGRAMS 80 STATE ADMILISTER RESIDENTIALS FOR PAGE FOR FEAT 80 STATE ADMILISTER RESIDENTIALS FOR PAGE FOR FEAT 81 STATE ADMILISTER STATE ADMILISTER STATE ST	DEPLATE (STRIP) CROWNS OR INC	11.39	1.00	7.	00000	170	
\$25 STAIN PORCELAIN RESTORATIONS USING PAGE NOTE IS \$2.66	COUNSEL TRAINEES ON TRAINING	13.92	. 82	: -	94.52	•	
289 9515000E NETAL FRANCE TORN SUING DOUBLE SOLD STANDARD	DEVELOP SELF_INSPECTION PROGR	13.92	.81	.11	94.64		
RESONATIONS POSTECLAIN FUSED TO NETAL 13.08	STAIN PORCELAIN RESTORATIONS	12.66	.87		94.75		
15 CRAILER COMPLIANCE WITH PERFORMANCE STANDARDS 15 CRAILER COMPLIANCE WITH PERFORMANCE STANDARDS 15 STANDARD COMPLIANCE WITH PERFORMANCE STANDARDS 15 STANDARD CHARGE CENTED (SETONATIONS) 18 STANDARD CHARGE CENTED (SETONATIONS) 18 STANDARD CHARGE SEQUENCE STANDARD CHARGE SEGUENCE STANDARD CHARGE	POSTSOLDER METAL FRAMES FOR P Restorations	13.08	48.	.11	94.86		
19 STATE AND PRECEDUES 19 STATE AND PROCECULES 10 STATE AND PROCECULE	EVALUATE COMPLIANCE BITH PERFORMANCE	15.61	. 70	.11	94.97	175	
209 TATA PORCELLAIN RESIDRATIONS USING INTRINIC STAINS 209 TATA PORCELLAIN RESIDRATIONS USING INTRINIC STAINS 209 TATA PORCELLAIN RESIDRATIONS USING FREQUENCEMENTS 201 TATA TATA THAN THAN THAN THAN THAN THAN	ESTABLISH WORK SCHEDULES	15.61	69.	=	95.07	•	
19 THE CONTRIVENCE DAWAGED CERANIC RESTORATIONS 115.19 .67 .10 055.28 115.19 .67 .110 055.28 115.19 .67 .110 055.28 115.19 .67 .110 055.28 115.19 .67 .110 055.28 115.19 .67 .110 055.28 115.10 .65.28 115.10 .111 .111 .111 .111 .111 .111 .11	STAIN PORCELAIN RESTORATIONS USING INTRINSIC	13.08	•19	•10	95.18		
13 14 15 15 15 15 15 15 15	DEPATO OD DEDIACE DAMAGED CED	-			: 4	:	
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137 DIPECTATE MATREMACE OF ADMINISTRATIVE FILES 13.00 172 1.00 95.68 13.00 FOUR ORTHODOMIT CHARESTON USING ORTHODOMIT CHARE 13.00 FOUR ORTHODOMIC CHARESTON USING ORTHODOMIT CHARE 13.00 FOUR ORTHODOMIC CHARESTON USING ORTHODOMIT CHARESTON CHARE 200 CHECK THISHOT FARE WAS NO DUBLICATE MASTER CASTS FOR 11.39 6.30 96.70 201 CHECK THISHOT FIT CHARESTON ON DUBLICATE MASTER CASTS FOR 11.39 6.30 96.70 202 CONTINUATE CASTS OF RODS 203 FATEL UNIT EMERICA OR DISASTER PLANS 203 FATEL UNIT EMERICA OR DISASTER PLANS 204 FATEL UNIT EMERICA OR DISASTER PLANS 205 FATEL UNIT EMERICA OR DISASTER PLANS 206 FATEL UNIT EMERICA OR DISASTER PLANS 207 CAST OR THAT CAST OR PROCEDURES FOR 12.24 6.30 96.13 208 FATEL UNIT EMERICA OR DISASTER PLANS 209 FETER THE COURT FOUR FOUR FOUR FOR FOUR FOU	ASSIGN SPONSORS FOR NEULY ASS	8.86	1.13	10	97.56	180	
13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.50 13.5	DIRECT MAINTENANCE OF ADMINIS	13.08	•76	• 10	45.58		
STATE STAT	SUPLICATE MASTER CASTS	13.50	•72	•10	95.68		
ACCURATE FIT CASTS OF RED'S 23 REVIEW UNIT EMERGNACY OR DISASTER PLANS 23 REVIEW UNIT EMERGNACY OR DISASTER PLANS 23 REVIEW UNIT EMERGNACY OR DISASTER PLANS 23 FALLA SUSTINGENCIARE VISING INDUCTION CASTING MACHINE 23 FALLA SUSTINGENCIARE STATING FORMS, FILES, OR PROCEDURES 34 STALLATE MODIALISTRATIVE FORMS, FILES, OR PROCEDURES 35 FALLA AND POLISH DERING FORMS, FILES, OR PROCEDURES 36 FALLA FOLICIES, DIRECTIVES, OR PROCEDURES 37 STATING FORMS, FILES, OR PROCEDURES 38 STATING FORMS, FILES, OR PROCEDURES 39 STATING FORMS, FILES 30 STATING FORMS, FILES 31 STATING FORMS, FILES 31 STATING FORMS, FILES 30 STATING FORMS, FILES 31 STATING FORMS, FILES 30 STATING FORMS, FILES 30 STATING FORMS, FILES 30 STATING FORMS, FILES 31 STATING FORMS, FILES 31 STATING FORMS, FILES 31 STATING FORMS, FILES 31 STATING FORMS, FILES 32 STATING FORMS, FILES 33 STATING FORMS, FILES 34 STATING FORMS, FILES 35 STATING FORMS, FILES 36 STATING FORMS, FILES 37 STATING FORMS, FILES 38 STATING FORMS, FILES 39 STATING FORMS, FILES 39 STATING FORMS, FILES 39 STATING FORMS, FILES 31 STATING FORMS, FILES 31 STATING FORMS, FILES 38 STATING FORMS, FILES 38 STATING FORMS, FILES 39 STATING FORMS, FILES 31 STATING FORMS, FILES 32 STATING FORMS, FILES 33 STATING FORMS, FILES 34 STATING FORMS, FILES 35 STATING FORMS, FILES 35 STATING FORMS, FILES 36 STATING FORMS, FILES 37 STATING FORMS, FILES 38 STATING FORMS, FILES 38 STATING FORMS, FILES 38 STATING FORM	POUR DRINGDONIE IMPRESSION USING ORTHODONIE BASE	32.6	1.14	• 10	95.17		
207 ORIENTATE CASTS OF RDD'S 278 CAST NETAL SUBSTITUTION OF DELANS 278 CAST NETAL SUBSTITUTION OF DELANS 278 CAST NETAL SUBSTITUTION OF DELANS 279 CAST NETAL SUBSTITUTION OF DELANS 279 CAST NETAL SUBSTITUTION OF DELANS 270 CAST NETAL SUBSTITUTION OF DELAN ALLOS OF SUBSTITUTION OF SUBST	CHECK FINISHED PRAMEMORN ON DUPLICATE MASIER CASTS FO	11.39	# # # # # # # # # # # # # # # # # # #	• 10	95.87		
235 GAST METALE UNIT REPREDITED TO BLASSIER PLANS 237 CAST METAL SUBSTRUCTURES USING FROM DIASTER PLANS 238 CANALTHE LANGE REPERVOY OF DIASTER PLANS 239 FEMALUM PROPERTY TO BE TO B		8.86	1.05	60.	95.96	165	
203 FINISH AND POLISH DENTAL ALLOYS FOR RED'S 5.06 1372 09 96.19 5.06 1372 09 96.13 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 09 96.23 5.06 1372 0.07 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.06 10.05 5.07 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10.05 5.08 10	REVIEW UNIT EMERGENCY OR DISASTER PLANS	6.33	1.45	•0•	96.05		
### SE EVALUATE ADMINISTRATIVE FORMS: FILES. ### SE EVALUATE ADMINISTRATIVE FORMS: FILES. ### SE EVALUATE ADMINISTRATIVE FORMS: FILES. ### SECRETARIA FOR EQUIREENTS. ### SUBCRETARIA FOR EXPOST (APR) ### STATEM FOR EXPLICE CACINGS ON YEAR READINGS. ### STATEM FOR EXPLICE CACINGS ON YEAR READINGS. ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPLICE CACINGS (AF OR EXPLICE CACINGS) ### SUBCRETARIA FOR EXPRESSION OF THE ATT CURED ACPYLIC CCHINDUE CASTS ### SUBCRETARIA SELECTION PROGRAMS ### SUBCRETARIA CACINGS (AF OR EXPLICE) ### SUBCRETARIA SELECTION FOR EXAMINIS PROGRAMS ### SUBCRETARIA	CAST METAL SUBSTRUCTURES USING INDUCTION CASTING MACHINE	7.59	1.19	60.	96.14		
### DETERMINE OUT TRAINING REQUIREMENTS ### DESCRIPTION OUT TRAINING RECORDS ### DESCRIPTION OUT TRAINING RECORDS ### DESCRIPTION OUT TRAINING RECORDS ### DESCRIPTION OUT TRAINING PROGRAMS ### DESCRIPTION OUT TRAIN	FVALUATE ADMINISTRATIVE FORMS	30.00	7/01	50	96.23	:	· · · · · · · · · · · · · · · · · · ·
AS SUMPRIENCE; DIRECTIVES, OR PROCEDURES FOR 15.24 .63 .08 96.47 SUBORDIANTES SUBCRIANTES SUB	DETERMINE OUT TRAINING REQUIRE	10.55	376	0 K	96.19	0	
SUBORDINATES SUBOR	INTERPRET POLICIES, DIRECTIVE	12.24	.63	90.	96.47	•	
### SCHEDULE LEAVES, PASSES, OR TOY'S ### SCHEDULE PARTIAL ORN'S AND TOKER LEAVES, OR TO'S SCHEDULE FOR TOKER TO THAN REMOVABLE PARTIAL ORN'S TOKEN TOKER TOKE	SUBORDINATES		i	ļ	1		
ASSERBLY REASONNEL TO DUTY TEMS REVALUATE PROCEDURES FOR STORAGE, INVENTORY, OR INSPECTION 10-97 .62 .07 96.83 OF PROPERTY ITEMS OF PROPERTY ITEMS OF PROPERTY ITEMS FOR OTHER THAN REHOVABLE PARTIAL DENTURES (RPD) FOR OTHER THAN REHOVABLE PARTIAL DENTURE BUCCAL (GINGIVAL) COMPONENTS FOR OTHER THAN REHOVABLE PARTIAL DENTURE BUCCAL (GINGIVAL) COMPONENTS FOR OTHER THAN REHOVABLE PARTIAL DENTURES (RPD) FOR OTHER THAN REHOVED ACPALLE TECHNIQUE (RPD) FOR OTHER THAN REHOVABLE PARTIAL THAN REHOVED ACPALLE TECHNIQUE (RPD) FOR OTHER THAN REHOVABLE PARTIAL THAN REHOVED ACPALLE TECHNIQUE (RPD) FOR OTHER THAN REHOVED ACPALLE THAN REHOVED ACPALL	ENDORSE AIRMAN PERFORMANCE REPORTS	9.70	.78	80.	96.55		
REPAIR ACRYLIC FACINGS ON VENEER CROWNS EVALUATE PROCEDURES FOR STORAGE, INVENTORY, OR INSPECTION OF PROPERTY ITEMS OF PROPE	4	11081	290	100	96.62		:
62 EVALUATE PROCEDURES FOR STORAGE. INVENTORY, OR INSPECTION OF PROPERTY ITEMS 17 TRANSFER DESIGN OF MASTER CASTS FROM DIAGNOSTIC CASTS 17 TRANSFER DESIGN OF MASTER CASTS FROM DIAGNOSTIC CASTS 18 FOR OTHER THAN REMOVABLE PARTIAL DENTURES (RPD) 18 SALAIN SEUCHALE PARTIAL DENTURES (RPD) 19 6.90 11 5 HARE ENTRIES ON ISSUE/TURN-IN REQUEST FORMS (AF FORM 2005) 11 5 HARE ENTRIES ON ISSUE/TURN-IN REQUEST FORMS (AF FORM 2005) 11 6 HAINTAIN FEDERAL SUPPLY CATALOG AND CHANGE BULLETINS 11 6 HAINTAIN FEDERAL SUPPLY CATALOG AND CHANGE BULLETINS 11 7 6 HAINTAIN FEDERAL SUPPLY SUCHEMBRICATE CORRESPONDENCE 11 4 HARE ENTRIES ON INVENTORY ADJUSTMENT VOUCHEMFORMS 12 6 HARITOR DENTURE BUCCAL (GINGIVAL) COMPONENTS 13 6 HARITOR DIRECT OUT TRAINING PROGRAMS 17 5 11 105 18 6 6 6 6 6 6 7 5 6 7 6 7 6 7 6 7 6 7 6 7	REPAIR ACRYLIC FACINGS ON VENEER	10.13	9 9		96.16	0	
### OF PROPERTY ITEMS 17 TRANSFER DESIGN ON HASTER CASTS FRCH DIAGNOSTIC CASTS 9.28 .72 .07 96.90 17 TRANSFER DESIGN ON HASTER CASTS FRCH DIAGNOSTIC CASTS 9.28 .72 .07 96.90 18 FIRE CARE DESIGN ON HASTER CARLIAL DENTURES (RPD)	EVALUATE PROCEDURES FOR STORAGE, INVENTORY, OR	10.97	•62	0.	96.83	•	
FOR OTHER THAN REMOVABLE PARTIAL DENTURES (RPD) 115 HAKE ENTRES ON ISSUE/TURN-IN REQUEST FORMS (AF FORM 2005) 116 HAITMAIN FEDERAL SUPPLY CATALOG AND CHANGE BULLETINS 116 HAITMAIN FEDERAL SUPPLY CATALOG AND CHANGE BULLETINS 240 HAITE CORRESPONDENCE 240 HAITE CORRESPONDENCE 250 BART OR HAITE CORRESPONDENCE 250 BART OR HAITE CORRESPONDENCE 250 BART OR HAITE CORRESPONDENCE 114 HAKE ENTRIES ON INVENTORY ADJUSTMENT VOUCHER FORMS 156 FARMINGE OF 115 BART	OF PROPERTY ITEMS TOANGED OFFICE ONTO MASTED PASTS FORM OTAGROCITY	o c	÷	ż	č		
115 MAKE ENTRIES ON ISSUE/TURN-IN REQUEST FORMS (AF FORM 2005) 11.39 .59 .07 96.96 106 MINTAIN FEDERAL TUPPLY CATALOG AND CHANGE BULLETINS 4.64 1.44 .07 97.03 36 DRAFT OR WRITE CORRESPONDENCE 240 FABRICATE ACRELY CORRESPONDENCE 250 FABRICATE ACRELY CRESIN VENEER USING SELF-CURING ACRYLIC 10.55 .63 .07 97.16 114 MAKE ENTRIES ON INVENTORY ADJUSTMENT VOUCHER FORMS 8.86 .72 .06 97.29 40 IMPLEMENT SELF-INSPECTION PROGRAMS 314 FABRICATE EAR PLUGS 135 FABRICATE EAR PLUGS 140 A.64 .07 97.03 151 A.64 .07 97.03 152 A.65 .07 97.10 161 A.64 .07 97.03 162 A.65 .06 97.29 163 A.65 .06 97.49 175 STAIN *CRYLIC TEETH USING DRY HEAT CURED ACRYLIC TECHNIOUE 8.86 .66 .06 97.60	FOR OTHER THAN REMOVABLE PARTIAL DENTURES (RPD)	97.6	71.	•	04.04		
MAINTAIN FEDERAL SUPPLY CATALOG AND CHANGE BULLETINS MART OF WRITE CORRESPONDENCE DRAFT OR WRITE CORRESPONDENCE TECHNIQUE NAME ENTRIES ON INVENTORY VENEER USING SELF-CURING ACRYLIC TECHNIQUE NAME ENTRIES ON INVENTORY ADJUSTMENT VOUCHER FORMS MARE MARE AND MARE BUCCAL (GINGIVAL) COMPONENTS MARE AND CASTA MARE MARE AND MARE	115 MAKE ENTRIES ON ISSUE/TURN-IN REQUEST FORMS (AF FORM	11.39	. 65.	.00	96.96		
MARKE ENTRIES ON INVENTOR ADJUSTMENT VOUCHER FORMS 11.39 .58 .07 97.10	MAINTAIN FEDERAL SUPPLY CATALOG AND CHANGE	# · 6 #		•04	97.03		
TECHNIQUE ELATIC RESIN VENEEN USING SELF-CURING ACHYLIC 10.55 .07 97.16 HAKE ENTRIES ON INVENTORY ADJUSTMENT VOUCHER FORMS (AF FORM 85) IMPLEMENT SELF-INSPECTION PROGRAMS FABRICATE EAR PLUGS ADAPT PREFABRICATED DENTURE BUCCAL (GINGIVAL) COMPONENTS B.02 .79 .06 97.29 B.02 .79 .06 97.42 ONTO CASTS IMPLEMENT OR DIRECT OJT TRAINING PROGRAMS STAIN *CRYLIC FEETH USING DRY HEAT CUREO ACRYLIC *ECHNIQUE 8.86 .66 .06 97.60	TREET ON BRITIS CORKENSONORNOR	11.39	82.	10.	97.10	20C	
MAKE ENTRIES ON INVENTORY ADJUSTMENT VOUCHER FORMS (AF FORM 85) IMPLEMENT SELF_INSPECTION PROGRAMS FABRICATE EAR PLUGS FABRICATE EAR PLUGS ONTO CASTS IMPLEMENT OR DIRECT OJT TRAINING PROGRAMS STAIN *CRYLIC TEETH USING DRY HEAT CUREO ACRYLIC "ECHNIQUE 8.06 97.49 STAIN *CRYLIC TEETH USING DRY HEAT CUREO ACRYLIC "ECHNIQUE 8.06 97.60	FREMILATE ACKTLIC MESIN VENEEK USING SELF-CURING ACKTLI TECHNIQUE	10.55	.63	•01	97.16		
TAPLEMENT SELF-INSPECTION PROGRAMS TABRICATE EAR PLUGS ADAPT PREFABRICATE DENTURE BUCCAL (GINGIVAL) COMPONENTS B.02 .79 .06 97.36 ADAPT PREFABRICATED DENTURE BUCCAL (GINGIVAL) COMPONENTS B.02 .79 .06 97.42 DATO CASTA ONTO CASTA	MAKE ENTRIES ON INVENTORY ADJUSTMENT VOUCHER	4	•76	•00	97.23		
FABRICATE EAR PLUGS ADAT PREFABRICATED DENTURE BUCCAL (GINGIVAL) COMPONENTS B.02 .79 .06 97.42 ONTO CASTA ONTO CASTA IMPLEMENT OR DIRECT OUT TRAINING PROGRAMS STAIN *CRYLIC TÉETH USING DRY HÉAT CUREO ACRYLIC 'ECHNÏQUE 8.86 .66 .06 97.50 IMPLEMENT SAFETY PROGRAMS **OFFIT PROGRAMS************************************	IMPLEMENT	8.86	.72	90	97.29		
ADAPT PREFABRICATED DENTURE BUCCAL (GINGIVAL) COMPONENTS 8.02 .79 .06 97.42 ONTO CASTA O	FABRICATE	8.02	. 79	90.	97.36		
IMPLEMENT OR DIRECT OUT TRAINING PROGRAMS STAIN ACRYLIC TEETH USING DRY HEAT CURED ACRYLIC ECHNIQUE 8.86 .66 .06 IMPLEMENT SAFETY PROGRAMS .06 .06	ADAPT PREFABRICATED DENTURE BUCCAL (GINGIVAL) ONTO CASTS	8.02	. 19	• 00	97.42	502	
STAIN "CRYLIC TEETH USING DRY HEAT CURED ACPYLIC 'ECHNIQUE 8.86 .66 .N6 .N6 IMPLEMENT SAFETY PROSPANS .06 .06	INPLEMENT OR DIRECT OUT TRAINING PROGRAMS	5.91	1.05	÷0.	97.48		
IMPLEMENT SAFETY PROGRAMS 6.06 .06 .06	STAIN CRYLIC TEETH USING DRY HEAT CURED ACPYLIC	8.86	• 66	9 U•	97.54		
-		ມ າ • 6 6	690	•06	97.60		

98230/50 AIRMEN IN BASE DENTAL LAB	•	SPCOB1 PAGE	ας	USAFO	OCCUPATIONAL ANALYSIS PROGRAM Usafomc (atc) Randolph afb tx
C 67 EVALUATE MORK SCHEDULES	9.70	65.	90.	97.65	
(AF FORM 6018)	10.1	0 0	•	•	710
312 FABRICATE CLEFT PALATE OBTURATORS	8.02	.71	•06	71.17	
E 120 MARE ENTRIES ON REQUEST FOR ISSUE OR TURN-IN FORMS	7.17	• 75	902	97.82	
I 239 FABRICATE ACRYLIC RESIN VENEER USING DRY HEAT CURED	9.70	• 55	•05	97.87	
<					
TI-LECTOR POLISH CASTINGS	# 8°	6.03	• 05	97.93	
244 GOLD PLATE CROWN OR FIXED PARTIAL DENTURES	6.33	.79	• 05	97.98	215
284 PREPARE DIES FOR PORCELAIN JACKET	5.49	60.	SO.	98.02	:
298 FABRICATE	5.06	**	50.	10.86	
I TAPLEMENT ANDSENTION PROGRAMS	7,17	9.65	50.	8.1	
C DO FURILITY OF THE PROPERTY	6.53	•13	• 02	98.16	
121 DROFE SUPPLIES USTAG TELEBUON	~	1,	_	•	220
I 315 FABRICALE FAR. NOSF. OF EXTENSIVE TOUR CONTRACTOR	2.05	1.4.1	0	76.66	027
77 CONDUCT SAFETY TRAINING	5.01	7.0		08.20	
15	20.0	6.9		98.33	
PREPARE AGENDA FOR STAFF MEETINGS	6.75		ó	80.00	
8 ESTABLISH ORGANIZATIONAL POLICIES, OFFICE INSTRUCTIONS	3 3 6	000		98.42	225
(OI), OR STANDARD OPERATING PROCEC				1	
16 PLAN SECURITY PROGRAMS	5.49	.73	*0	98.46	
270	5.06	•78	0.	98.50	
96 PLAN OJT	6.75	57	*0	98.53	
EVALUATE JOB DESCRIPTION	7.17	.53	•0•	98.57	
94 MAINTAIN STUDY REFERENCE FILE	5.91	.63	* 0•	98.61	230
328	3.80	16.	•0•	98.65	
DEVELOP ORGANIZATIONAL CHARTS	6.75	•55	\$0¢	98 • 68	
20	7.17	.51	*0•	98.72	
S EVALUATE SUGGESTIONS	٠	•63	•03	98.75	
B 42 INITIATE PERSONNEL ACTION REQUESTS, SUCH AS ASSIGNMENT	5.91	• 58	•03	98.79	235
			,		
PLAN LAVOUT OF FACILITIES	64.6	19.	0	98.82	
- 1	5.49	•59	E0-	98.85	
ALM FREDETCHES TRIBLE TAND DE AND	2000	26.	50.	98.89	
NEGOTI CINTER NOTITIVE DE LIVER DE CALLER CA			5	76.00	24
(DD FORM 1348-6)	1	•	•	64.04	2 5 7
6 192 SPRUE COMPLETE DENTURE MAX PATTERNS WHEN USING FLUID	5.06	.57	50.	80.80	
RESIN TECHNIQUES	•	•		•	
26 CONDUCT BRIEF!	7.59	.38	.03	99.00	
CONDUCT	* 64	.61	•03	99.03	
21 PREPARE JOB DESCRIPTIONS	5.91	94.	•03	90.66	
30 DIR	3.80	69.	•03	60.66	245
OR CHARIS D OD FVALIDATE TOAINING METHODS OF TECHNIQUES		07	č		
EVALUATE SECURITY PROGRAMS	٩	, a	6	94.00	
105 MAINTAIN		15.	2 6	91.00	
MAENTAIN CONTIGENCY PLANS	. 5	£6.	0.0	99.18	
63 EVALUATI	N	+ 54	•05	99.21	250
78 CONDUCT SECURITY TRAINING	3,38	• 65	•05	99.23	
DRAFT BUDGET ON FINANCIAL REQ	5.91	. 37	• 05	99.25	
101 SELECT INDIVIDUALS	# · · ·	-41	*05	49.27	

98230/50 AIRMEN IN BASE DENTAL LAB	d'S	SPCOB1 PAGE	٥	OCCUPAT	OCCUPATIONAL ANAL USAFOMC (ATC) RAN	OCCUPATIONAL ANALYSIS PROGRAM USAFOMC (ATC) RANDOLPH AFB TX
S I 233 CONSTRUCT DIES USING CERAMIC DIE SYSTEM	:	•	;	6		
217 SOLDER METAL FRAMEWORKS OF RPD 'S	1107	1001	70.	47.44	u	
267 ADAPT PLATINUM OR GOLD MATRIX FOR POPULI ATM. MACKET	900	7.6	70.0	25.00	607	
316 FABRICATE FACTAL MOULAGE	, ,	•	•	****		
119		2:	70.	97.00		
STABILIZE BASEDIATES MITH STAT STATES			70.	80.00	:	
IMPRESSION BASE	0000	76.	70.	74.40		
20	2.11	10	ć	6	0 3 0	
SUPERVISE MILITARY PERSONNEL OTHE	1.27		200	74.00	007	
_			2 6	***		
47 SUPERVISE CIVILIAN PERSONNEL	7 7 7	94.	,,,	0		
~		n	70.	74.64	1	
407	770.		70.	04.00		
2	2.45	.61	• 05	99.51	5 6 5	
213 PREPARE BLOCK-OUT MAX	2.43	* • •	70.	99.53		
218 SPRUE RPD DENTURE	2.53	60.	70.	33.00		
	04.	0	200	94.00		
B 37 INPLEMENT COST REDUCTION PROGRAMS	4.27	38	200	000	230	
J 286 REMOVE PLATINUM OR GOLD MATRIX FROM FIRED PORCELAIN	2.11	•72	05	99.61	2	
CACKET CROENS						
C 70 WRITE CIVILIAN PERFORMANCE REPORTS OR SUPERVISORY	1.69	.87	.01	99.62		
6						
A 20 PREPARE BRIEFINGS	4.64	•31	•01	49.66		•
22 STORFFARE UNIT ORIENTATION PROG	2.53	• 54	.0	99.65		
100	2,95	97.	.01	19.66	275	
108 MATERIA DER TERTORE TEDADT	2,53	* S.	10.	89.66		
	2,03	25.	0	69.66		
199 CAST METALLIC DENTURE RASES OF DA	(°)	· ·	• 01	07.66		
ESTABLISH PUBLICATION LINEADTES	1107	60%] 5 6	27.66		
5	2000	9 9 9	6.6	99.73	280	
319 FABRICATE MANDIBULAR GUIDE FLA	1.27	000	1	77.00	1	
91	69-1	. 4	3 5	94.75		
208 PATNT CAST SEALER	1.69	09		00.78	i	
PREPARE	2.11	9	10.	99.78	285	
	1.69	.57	.01	99.79	ì	
COMDUCT SYMPOSIUMS, CONFERENCES, OR MORKSHOPS	2.11	.45	10.	99.80		
A 19 PRIVATE ABENDE FOR STAPPOSIUMS, CONFERENCES, OR MORKSHOPS	2.11	##	.01	99.81		
FLANTING TARROSER ADJECT DI ANG	1.69	•52	•01	99.82		
MRITE STAFF STEDIFS, SUDVEYS	1.69	•52		99.83	290	
THE TANK NAMED IN THE PROPERTY OF THE PROPERTY	1	000	10	99.66	1 1 1 1 1	
93 IMPLEMENT OF DIRECT RESIDENT	1.27	26.	1 2	99.685		
68 INVESTIGATE ACCIDENTS OR INCIDENTS	797	7 0	1 6	00.00		
111 MAKE ENTRIES ON CIVILIAN TIME	69-1) «	1 6	99.80	300	
SA ENDORSE CIVILIAN PERSONNEL RE	2 **	1 4 5	5	- C - C - C - C - C - C - C - C - C - C	6 7 3	
72 ADMINISTER TESTS	1.69	.36	10.	99.66		
74 ASSIGN RESIDENT COURSE INSTRUCTORS	1.27	74.	10.	99.89		
U GV EVALUATE TRAINING MATERIALS OF ATOS	1.27	2.4.5	•01	99.89		
241 FARRICATE SHIMS-17	1.27	M !		06.66	300	
	1.27	.37	800	06.66		
85 DEVELOP RESIDENT COURSE OR CAREER	1.27			99,91		
	, ! •	;	200	•	í	

SPCOR2 PAGE

DUTY AND TASK PERFORMANCE DATA FOR A SELECTED GROUP, BASED ON BACKGROUND

98230/50 AIRMEN IN AREA DENTAL LAB

	Duty Job Description	CASES TASKS DUTIES 498 325 12		,				
	; ,	CUMULATIVE SUM AVERAGE PERCEN AVERAGE PERCEN	OF AVERAGE F T TIME SPENT T TIME SPENT BERS PERFORM	CUMULATIVE SUM OF AVERAGE PERCENT TIME SPENT BY ALL MEMBERSAVERAGE PERCENT TIME SPENT BY ALL MEMBERSAVERAGE PERCENT TIME SPENT BY MEMBERS PERFORMING	FRT 6Y ALL FORBING.	MEMBERS		
0-TSK		DUTY/TAŠK TITLE	w		••	••	• 🕏	
٠ 1	ABRICATING AND R. (NOTE: BASE AND	FABRICATIMG AND REPAIRING REMOVABLE PARTIAL DENTURES (RPD) (NOTE: BASE AND AREA DENTAL LAR)	E PARTIAL DES	TURES (RPD)	63.91	53.50	34.19	M 44.
	ERFORMING BENERA	PERFORMING GENERAL LABORATORY TASKS			83.46	25.84	21.57	.50
_	ABRICATING CROUN	FABRICATING CROUNS, INLAYS, AND FIXED PARTIAL DENTURES	XED PARTIAL L	JEN TURES	41.35	45.24	18.71	7.4
	FABRICATING CERANIC PROSTHESES	IC PROSTHESES			27.82	31.25	8.69	83.
•	DIRECTING AND IMPLEMENTING	LEMENTING		1	40.60	10.31	4.19	87.
a .	ERFORMING ADMINI	PERFORMING ADMINISTRATIVE AND SUPPLY TASKS	LY TASKS		30.83	8.62	2.96	90
	INSPECTING AND EVALUATING				27.82	9.20	2.56	92
-	TRAINING				25.56	9.87	2.52	95
•	ORGANIZING AND PLANNING	ANNING			38,35	6.44	2.47	97
.	ABRICATING AND R	FABRICATING AND REPAIRING ORTHODONTIC APPLIANCES	TIC APPLIANCE	S	6.77	20.55	1.39	66
U .	ABRICATING AND R	FABRICATING AND REPAIRING COMPLETE DENTURES	DENTURES		6.02	6.84	.43	99.
ندا	ABRICATING SPECI	AL PROSTHESES		+	7.52	¥.22		66

98230/50 AIRMEN IN AREA DENTAL LAB

DUTY AND TASK PERFORMANCE DATA FOR A SELECTED GROUP, BASED ON BACKGROUND INFORMATION LISTED BELOW, FROM THE 982XD CAREER LADDER, TASKS ARE LISTED IN DESCENDING ORDER OF PERCENT TIME SPENT BY ALL GROUP MEMBERS.

CASES T 498 CUMULATIVE AVERAGE PE	ASKS DUTIES MBRS 325 12 133 SUM OF AVERAGE PERCENT TIME SPENT RCENT TIME SPENT BY ALL MEMBERS.	BY ALL MEMBERS.			TASK
	TIME SPENT BY MENE		-	• • •	- O -
DUTY/TASK 1	TITLE	• •	• \$	• •	••
ONENTS OF FRAI	FRAMEMORK PATTERNS ON 30.08	13.57	4.08	4.08	
	CASTS TO REFRACTORY CASTS 29.32		3.26	7.34	-
FOR RPD S		-	3.08	10.42	
PERFORM GENERAL HOUSEKEEPING TASKS	OR RPD*S 29,32 (S 50,38		2.73	15.03	ď
CLASPS FOR RPD'S			2.67	18.60	,
			2 • 32	20.02	
ATTACH WROUGHT WIRE CLASPS TO RPD'S Sandblast or Shellblast Appliances	*S 33*08	8 6.52 1 4.80	2.16	23.08	
MENORK ON DUPLICATE	ATE MASTER CASTS FOR		1.85	26.95	10
	33.08	8 5.19	1.72	28.67	
STONE NODULES			1.53	30.20	
ING PROCEDU	GRINDING PROCEDURES ON RPD'S		1.48	31.68	
BLE UNDERCUTS	ZY*01/	5.50	1.29	33.13	
S FOR FIXED	URES	ł	1.26	35.69	
MAINTENANCE ON R	MAINTENANCE ON RPD EQUIPMENT 26.32	2 4.78	1.26	36.95	
EVE MASTER CASTS			1.12	39.28	
DENTAL ALLOYS FOR	CROMNS, INLAYS, OR	;	1.08	40.36	50
TURES AB SPECIALISTS ((AFSC 98250) 20.30	5.16	1.05	41.41	
CROUNS, OR	DENTURES 24		1.00	42.41	
ROHMS, INL	FOR CROWNS, INLAYS, AND FIXED PARTIAL 23.3	1 4.27	1.00	43.40	
TTERNS FOR VARIOUS TYPES	OF PONTICS OR 21.8	95.4 0	66.	04.44	
TING ON DIE FOR			.97	45.36	52
CE DENTAL LAB SP	SPECIALISTS (AFSC 98230) 22.56		*6	46.30	
		7	88	47.18	
CROWN, IN	FOR CROWN, INLAYS, AND FIXED PARTIAL 21.05	40° h S	. 85	48.04	
TEETH FOR RPD.S		8 6.63	.85	88.88	
			- 85	49.73	30
	ARTIAL DENTURES		3 .	50.57	
ING WAX ADDITION	ADDITIVE TECHNIQUE		# C	51.41	
,	0477			07476	

98230/50 AIRMEN IN AREA DENTAL LAB	!		SPECIAL DAGE	5	OCCUPA	OCCUPATIONAL AMALYSIS PROGRAM
1 J 202 PERFORM ULTRASONIC CLEANING PROCEDURES OF METAL	17131			i (C AND AMBOURT AND
SUBSTRUCTURES		18.05	4.33	• 78	52.98	
DCEDURES ON	CROHNS, INLAYS,	21.05	3.68	.77	53.76	35
A 12 PARTICIPATE IN MEETINGS, SUCH AS STAFF MEETINGS, SUCH AS STAFF MEETINGS, SUCH AS STAFF MEETINGS.	MEETINGS, BRIEFINGS,	27.82	2.78	11.	54.53	
CLOSE SO SOUTH THE SOUTH OF THE		•				
174		21.05	3.56	•75	55.28	
154		5.26	13.68		56.01	
181 MEIGH AND MIX GYPSUM PRODUCTS		21,05	3.45	7.7	57.6	C
E 113 MAKE ENTRIES ON DENTAL LABORATORY PRESCRIPTION	PTION AND	14.29	0.80	70	7	0
CACC FIRST TANK THE CACCE OF THE PARTY AND COC						
REMOUNT CASTS OF APPRICATO DESCRIBE UPDATES.	PRIOR TO CUTBACK	15.79	4.37	•69	58.83	
130 BURN OUT INVESTED MAX OR PLASTIC PATTERNS	OTHERS TON	97.11	01.9	69.	59.51	
274 CONTOUR FIRED PORCELAIN		15.04	0.50	9	02.00	
TORS USING ARBITRARY	RY MOUNTING	22.56	2.82	. 49	61.48	o at
ON CROWN	AND FIXED PARTIAL			244		
213		: 				
		2	4.37	•59	62.70	
SOLDERING	CROWNS FOR	19.55	3.00	.59	63.29	
126	(106	17.29	3,35	.58	63.87	20
202 DEMTURATE REFRACTORY CASTS		12,03	4.62	.56	4	9
TATO TO THE TRANSPORT OF THE TABLE OF THE TATOR OF THE TA		11.28	4.82	• 54	64.97	
	IALS USING	18.80	2.89	• 54	65.53	
137		12.78	36.4	į	,	
		1 0	78.4	600	60.00	
227 ASSEMBLE FIXED PARTIAL DENTURE COMPONENTS	FOR SOLDERING	18,05	2.87	20.5	66.58	9.0
M DIAGNOSTIC	0	6.77	7.52	.51	67.61	1
J 278 FIRE OPAQUE PORCELAIM				; 1	- 1	
268 APPLY	HESES	15.74	3.07	.	68.09	
269 APPLY BODY OR INCISAL PORCELAIN		14.29	3.27	4	20.00	
172 SELECT ARTIFICIAL TEETH	!	10.53	60 5 6		69.53	300
USING	IR	12.78	3.68	. 47	70.00	
3	SIC STAINS	13.53	3.47	. 747	70.47	
ARVE PATTERNS FOR INLAYS		13.53	3.46		70.93	
ELS COLDACA SUBSINUCIONE WAX PATTERNS FOR METAL DESTONATIONS	PORCELAIN FUSED TO		26.2	9#0	71.40	
	1 :	15.04	7. 0.7	74	70 11	
209 PERFORM PAINT-ON PROCEDURES FOR INVESTI	75	12.03	3.78	9	72.31	
277	ITURE FRANEHORKS	12.03	3.17	4.	72.76	
DEDECOM (I TO A COURT A PURCELAIN		15.04	5.99	.45	73.21	
PORCELAIN SURFACES	CONTOURED	15.04	2.96	• # S	73.66	04.
•	:	14.29	3.10	3	74,10	
	ING GAS-AIR	16.54	2.68	3 .	74.55	
CONDUCT OJT		15.79	2.79	4	74.00	
I 236 ELIMINATE WAX OR OTHER LUTING MATERIALS FROM INDEX PRIOR TO SOLDFOIMS	NOM SOLDERING	15.04	2.90	*	75.42	
02123337 0 12412 C1241						

J						OCCUPATIONAL		ANALYSTS PROGRAM
В	98230/50	0/50 AIRMEN IN AREA DENTAL LAB		SPC082 PAGE	13	USAFOH	_	RANDOLPH AFB TX
12		FIRE PORCELAIN TO MATURITY (NATURAL	14.29	2.95	.42	75.84	75	
	212		11.28	3.67	.41	76.26		
	274	OFILM MEMLY	18.80	2.13	0 .	76,66		
ئ	1 22		14.29	2.17	04.	•		
	,	MAINTAIN TRAINING OF COOL	11.28	3.39	38	77.44		•
J		COUNSEL TRAINERS ON TRAINING PROGRES	9 6	3.05	٠ د د د د		0 80	
,	F 149	KEY OR SCORE CASTS	14.79	2.55	35.	• u		
	8 29	COUNSEL	14.29	2,50	9 5			
J	F 164	PREPARE SLURRY MATER	15.79	2.18		79.26		
	∾.	DEOXIDIZE (PICKLE) GOLD ALLOYS	15.04	2.52	.33	ŝ	80	
	89		9.77	3,39	33			
J	•	CENERAL WORK PRIORITIES	12.03	2.74	• 33	80.25		
	1 2 2 1	I CHECK MAX AUDITINE TECHNIQUE WITH DISCLOSING MEDIUM R DDEDAGE DE COMEDIT DAS	8.27	٠,	.33	S		
Ų	1 266	ME IGH AN	9.02	3.56 6.86 8.86	• 32	80.90	Ġ	
,		S-KS-MS	•	9	76.	•	•	
,	H 218	SPRUE APD DENTURE BASES WHEN USING FLUID RESIN TE	1,50	20.46	.31	ŝ		
J		FINISH AND POLISH RPD'S AFTER	6.02	5.06	• 30	1.8		
	100	THE CASES RECEIVED FROM OTHER BASES	3.01	9.93	• 30	7		
		LANES GAN PAINTENS FOR METALLIC DENICHE BASES ON R	8.27	•	•28		i	
ر	917	MANE EMIKIES ON MECOND OF DENIAL PRECIOUS METAL Alloys forms (af form 520)	6.77	4.29	•29	82.71	9.8	
:	F 153	1	12.78	2.25	.29	83.00		
J		INDEXES	:	:				
	1 256	S PAINT MOLDS WITH TINFOIL SUBSTITUTES	5.26	5.41	•28	83.29		
•	1 () X	FINTSH AND DO	12.03	2.36	28	83.57	:	
J		FWALUATE COMPLIANCE LITE DEDEC	3,70	7.50	• 28	Μ,	,	
;	153	PACK FLACKED APPLIANCE SIN TERTURANCE SI	20.6	3-11	•28	7 .	100	
_		FARRICATE OF TRICAL	4.51	6.19	• 28	3 ·		
,			0 00	04.6	82	9		-
		RESTORATIONS	7006	88.7	•56	84.95		
J		<	4.51	5.76	.26	A5.21		
i		APPLY METAL CONDITIONERS	7.52	3.32	.25	85.46	105	
,		SOLDER METAL FRAMEMORKS OF RPD'S USING DXYGEN-6	6.02	41.4	•25	85.71	ıl .	
ر	122	PREFARE GUARTERLY AREA DENIAL LABORATORY REPORTS	3.76	6.52	•25	85.95	!	
			3.76	9**9	•24	86.20		
_	1 253	POLISH ACRYLIC FACINGS OF PONTICS						
,	E 117	MAKE ENTRIES ON RECORD OF DENTAL	• •	0.00	2 .	2000	•	
	1	(AF FORM 644)	1		٠.		0.1	
J		EVALUATE ADMINISTRATIVE FORMS, FILES, OR PROCEDUR	3.76	6.05	•23	86.90		
	587 F	S PRESOLUTE METAL FRAMES FOR PORCELAIN FUSED TO METAL Destinations	11.28	2 • 00	•23	~		
J	F 158		7.52	2.98	223	87.18		
•		PERFORM PREVENTIVE MAINTENANCE	8.27	2.59	23	Š		
		REPAIR OR REPLACE DAMAGED CERAMIC RESTORATIONS	8.27	2.57	-21	87.77	115	1
_	K 294	BEND WIRE FOR ORTHODONIE APPLIANCES	3.76	5.61	.21	87.98		
	0 2 1		2.26	9.35	.21	88.19		
ر	~		3.01	6.72	•20	86.40		
	6		3.76	5 . 36	202•	88.60		
	F 134		· 4.51	4.35	• 20	88.79	120	

	9823	98238/50 AIRMEN IN AREA DENTAL LAB		SPCU82 PAGE	*	OCCUPATIONAL USAFONC_ (ATC	CATC)	OCCUPATIONAL ANALYSIS PROGRAM USAFOHC_ (ATC) RANDOLPH AFB TX	5884 8 1X
B 1	•		,		:				
3	:	S SPECIAL SECTION OF THE SECTION OF PROCEDURES		96.	• 19	80.08			
	~	PRINTER CANDO POR PLANKING	92.6	3.61	<u>د</u>	69.17			
		MANUAL NATIVITATION OF TAXABLE OF TAXABLE SAME	2.60	3.50	21.	69.36			
	1 13	•	•	4	:				
	700	THE ASSESSED AS THE WAY ASSESSED.		4007	0	P (16		
	1 257		02.0	7 6		71.49	621		
		ESTABLISH PERFORMANCE STANDARDS		17.70		90.00			
	J 291	MAX PATTERNS DIRECTLY TO SUB	6.02			00.00			
_		CORTOUR MAX-UP		:	:	77.0.			
	1 241		10.5	5.27	41.	90,18			
	, wa	DIRECT DEVELOPHENT OF	1.50	10.40	9	200	130		
_					:		•		
,	_	CONDUCT RESIDENT COURSE CLAS	3.01	5.06	• 15	69.06			
	£ 103	13 INVENTORY EQUIPMENT, TOOLS, OR SUPPLIES	3.76	4.05	. 15	90.84			
	H 214	PREPARE CASTS FOR CORRECTED	1.50	10.11	1.5	66.06			
	F 129	BOIL OUT WAX FROM MOLDS	6.77	2.18	•15	91.14			
!	Ü	62 EVALUATE PROCEDURES FOR STORAGE, INVENTORY, OR INSPECTION	2.26	6.51	.15	91.29	135	:	
_		OF PROPERTY ITEMS		:		4			
	E 115	MAKE ENTRIES ON ISSUE/TURN-IN REQUEST FORMS (2.26	6.47	• 15	91.43			
			7.52	1.91	*1	91.58			
ر		SUBORDINATES	:	;		;			
į	1001		10.5	3010	-	91.72	!		:
		PADALCAIC ACRICIC RESIN FENETR USING URI MERI Appoint treuntolif	c.	76.81	• I •	68.14			
:	1 245	SCHOOL SCHOOL ALLOY CACTINGS	76.3	27.6	**	00			
	9		•	9 5	4	•	7		
_		Testif supplifes	72.2	0000	1	76.60			
,		PERFORM SOLDERING PROCEDURES	0 C	2000		92.40			
İ	i	FYAL HATE THEOFE TION DEPONETS NO DOCTENHOFS	100	92.4	-	12.00			
	•	GOLD PLATE CROWN OR FIXED PA	12.0	44.4		92.66	341		
,			8.27	1.57	-	92.70	٠.		
	_		5.26	2.42		92.92			
	F 163	PREPARE IMPRESSIONS FOR POUR	S	2.81		93.05		:	
,		MASTER CASTS) ; ;)				
į	ı	1	4.51	2.81	.13	93.17			:
ب	-	POUR AND TRIM MASTER CASTS	5.26	2.39	.13	~	150	:	
	•	ENDORSE AIRMAN PERFORMANCE REPORTS (APR)		1.81	•12	~			
	=	162 PREPARE FRACTURED AREAS OF DENTURES TO RECEIVE NEW	2.26	S.#0	•12	93.54	i	,	
	1 254	•	76 3	2.17	:	77 70			
1	•	PLAN SECURITY POSSEDANC	200	7.64		77 00			
			1.50	7.00		4 4 P	16.5		
j)))))	2	:	•	1		
	<u>.</u>	133 CLEAN AND PREPARE MOLDS FOR PACKING	3.76	2.98	.11	93.99			
۔۔	~		5.26	2.12	==	94.11			
,	ï	FABRICATE NIGHT GUARDS	3.76	2.91	.11	94.22			
}		_	3.76	2.88	11.	94.32	; 		
۰	H 208	PAINT CAST SEALER	3.76	2.82	.11	94.43	160		
		EVALUATE BUDGETING OR FINAN	2.26	4.64	91.	94.53			
	۳ `	MAKE ENTRIES ON CIVILIAN TIMECANDS THEN THE TANKS ON CIVILIAN TIMECANDS	• 75	13.89	•10	49.46			
		61 EVALUATE MAINTENANCE OR USE OF MORKSPACE, EQUIPMENT, OR CIPPLIFY.	4.51	2.28	•10	94.74			
	F 161	•	3.76	7.12	010	10	1	:	
ı			•)))			

98230/50 AIRMEN IN AREA DENTAL LAB		SPCOR2 PAGE	ď	OCCUPATIONAL	ONAL	ANALYSIS PROGRAM
		1000000	3		5	-
PLAN OJT	3,76	9	01.	30.20	165	
225 A	4.51	2.19	• 10	5.0		
PORTICE ON FACINGS						
INT FABRICATE SURGICAL STENTS AND SPLINTS (TEMPLATES)	3.76		•10	_		
290 STAIN PORCELAIN RESTORATIONS USING OPA	6.02	7	10	95.24		:
36 DRAFT OR	3.76	2.57	01.	95.33	ı	
17 CONDUCT SAFETY TRAINING	3.76	2.4	60•	95.43	170	
	5.26		•0•	95.52		
	5.26	,	60	95.61		
RESEARCH SUPPLY CATALOGS	1.50	2.90	•0•	95.70		
FLASK PROSTHETIC APPLIANCES FOR PROCESSING	3,01	S	600	95.79		:
T 150 MAKE ADJUSTMENTS TO IMPRESSION TRAKS, SUCH AS	2.26	3.89	•0•	95.88	175	
:			ć			
	10° u		5	75.67		
SABBITATE TROUBLE ADDITOR	9796	:	60.	96.05		
AND TRUNICALE FINGUAL ARCHES	97.7	• •	3 6	#1.96 0.00		
THE ECCLESION ON PACIFICA MAINIEMANCE RECOINE	S	2.23	•08	9	- 1	
797		11.11	80•	96.31	180	
K 296 FARSTATE ACOVITY DOTHODOWITY ADDITANCE		1 70	Č	70	!	
289 STAIN PORCELAIN RESTORATIONS U	5.26	, –	90	96.47		
(INTERNAL)				,		
235	4.51	1.80	•0	96.55		
9	2.26	3	.08	96.63		
11	\$7.5	-	•08	96.71	185	
IMPLEMENT SAFETY PROGRAMS	3.01		•0	96.78		
173 SHAPE AND ADAPT MANUFACTURED	2.26	3,34	80	96.86		
DIRECT MAINTENANCE OF ADMINISTRATIVE	3,01		•0	96.93		
81 DETERMINE OUT TRAINING REQUIREMENTS	3,76		•01	97.01		
106 MAINTAIN FEDERAL SUPPLY CATALO	2.26		•01	97.08	190	
228	3,01	1	100	97.15		
HEAT CURE ACRALIC APPLIANCES	3.03	.	•04	97.22		
007	57.	80	10	97.29	1	
A 1 ACCTEM COUNCIDE FOR MENTY ACCTEMED DEDICANNEL	•	i	ć			
1	20,00	7 000	0	61.40	10.	
PARTIAL DENTURE BASES	5	69.7	•	24.4	641	
15	3.01		90.	97.48		
109			90.	97.54		
CONDUCT BRIEFINGS	3,76		•00			
720	2,26	2.64	•06	97.66	1	
200 FORM 1150 OR AF FORM 1801)	•	i	à	: :		
	2.26	2.56	900	97.72	200	
6	2,26		900	97.78		
STREET STREET TROUBLES	0717	8 6 7	3 6	97.83		
MOD PARRICATE REMOVABLE SPACE MAINTAINES	2,26			50,40		
86 DEVELOP TRAINING ATDS	3.76	-	3	08.00	205	
	3,01	1.76	90.	98.05)	
F 169 REPAIR FRACTURED OR BROKEN APPLIANCES USING SELF-CURING	.	1.74	•05	98.10		
ACRYLICS						
B 25 ASSIST PERSONNEL TO DUTY POSITIONS	2,26	2.28	50.	80		
•	3,01	1.70	. 05	98.21		

	3	98238/58 AIRMEN IN AREA DENTAL LAB	-	SPCG82 PAGE	16	OCCUPATIONAL USAFONC (ATC	IONAL ANALYSIS PROGRAM (ATC) RANDOLPH AFB TX	•
115	U	58 EVALUATE INDIVIDUALS FOR PROHOTION, DEMOTION, OR	3.01	1.62	• 05	98.25	210	~
	Ç	RECENSE POSTERIOS PALATAI SEALS	3.26	2.15	9	C P 0		
J	<	ESTABLISH ORGANIZATIONAL POLICIES, OFFIC	• •	2.04	90.	98.35		_
	1	(01), OR STANDARD OPERATING PROCEDURES (SOP)		:			,	
	* *	SOW METALE GROWEN OFTHODOMIL APPLIANCES (METAL PORTIONS)	1,50	3.01	50.	98,39		•
_	•	PERSONNEL ACTION FORMS (AF FORM 2095)	000	900.7	5			•
,	⋖	2 DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT,	3.01	1.38	*O*	98.48	215	•
ر	*	295 DESIGN ORTHODONTIC APPLIANCES ACCORDING TO DENTAL	.75	5.19	*0	98.52		-
-	¥	OFFICER'S PRESCRIPTION 297 FABRICATE FIXED SPACE MAINTAINERS	2.26		4	73.00		•
,	•		1.50		50	• •		•
,	۰ ۵		~	1.67	*0	98.63		•
ر	o c	VO PREPARE TRAINING REPORTS 70 WRITE CIVILIAN PERFORMANCE REPORTS OR SUPERVISORY	1.50	2.50 4.85	ž č	98.67	220	_
	•	APPRAISALS			İ	j		
J	L (131 CHARACTERIZE (FESTOON) DENTURE BASES	•	1.60	•	98.74		<u> </u>
	3 60	SO SUPERVISE DEVIAE LAB TECENICIANS (AFOR SALATION)	2.26	1.52	.03	98.78		
J	, '	CAST METAL SUBSTRUCTURES USING INDUCTION		1047	50	98.84	225	·
	* ;	FINISH AND POLISH ORTHODOWTIC DIAGNOSTIC CASTS	.75	4.25	•03	98.87	,	
	X (POUR OR	•75	4.25	•03	98.91		•
۔	10 T	27 COMDUCT STAFF MEETINGS	2.26	***	. D.3	46.86		_
	> ~	AFPAIR DIES FOR FORCELAIR CACKEL CROBIN	2.26	D * * * * * * * * * * * * * * * * * * *	50.0	60.86	C# C	
J	ں ،		2.26	C C		99.03	OC 7	-
,	0	EVALUATE TRAINING METHODS OR TECHNIQUES	1.50	2.03	03	90.66		,
,	W	112 MAKE ENTRIES ON CUSTODIAN REQUEST/RECEIPT FORMS	1.50	1.96	•03	60.66		
J	0	78 CONDUCT SECURITY TRAINING	2.26	1.28	10.	99.12		```ز
	9		• 75	3.67	.03	99.15	235	
J	ه ن	EVALUATE JOB DESCRIPTIONS	2.26	1.20	•03	99.18		_
	3 4	V. INFLEMENT OR CIRECT OUT TRAINING PROGRAMS	1.50	1.78	•03	99.20		
J	. e		05.1	1.78	50.	99.28		J
į	•	INPLEHENT	2.26	1.18	.03	99.28	240	,
	∞ -	IMPLEMENT	1.50	1.77	• 03	99.31		
J	< 0	S. TRETARE UNIT ORIENTATION PROGRAM 87 EVALUATE INSTRUCTOR PERFORMANCE	1.50	1.76	.03	99.34		_
	<u>د .</u>	i	2.26	1.16	.03	99.39	;	
J	L . (FABRICATE SOFT MOUTH GUARDS	2.26	1.14	•03	99.41	245	∵
	.	MAINIM AF MEDICAL MATERIEL LETTER (AFMML) FILES	1.50	1.71	•03			
	J	THE TRAIL MAINTIN ON BOX-ROX ARECISTION (TARCAL) TOTAL	1.50	1.71	•03	94.46		•
,	I		.75	3.28	•02	64.66		,
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ر	ه د	IREMENTS	2.26	1.06	•05	99.54	250	-
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ت 16	286 REMOVE PLATINUM OR GOLD MATRIX FROM FIRED PORCELAIN	2.26	.82	•05	59*66	
9	JACKEI CROUNS 1865 ARRANGE ARTIFICIAL TEETH IN WAX FOR BALANCED ECCENTRIC	1.50	1.23	• 02	19.00	
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0	COMPLETE DENTURES	٠,٠	?	70.		
0	91 EVALUATE TRAINING PROGRESS OR RESIDENT COURSE STUDENTS	.75	2.03	•02	99.78	
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انية	ORDER SUPPLIES USING TELEPHO	•75	1.53	.01	89.82	
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